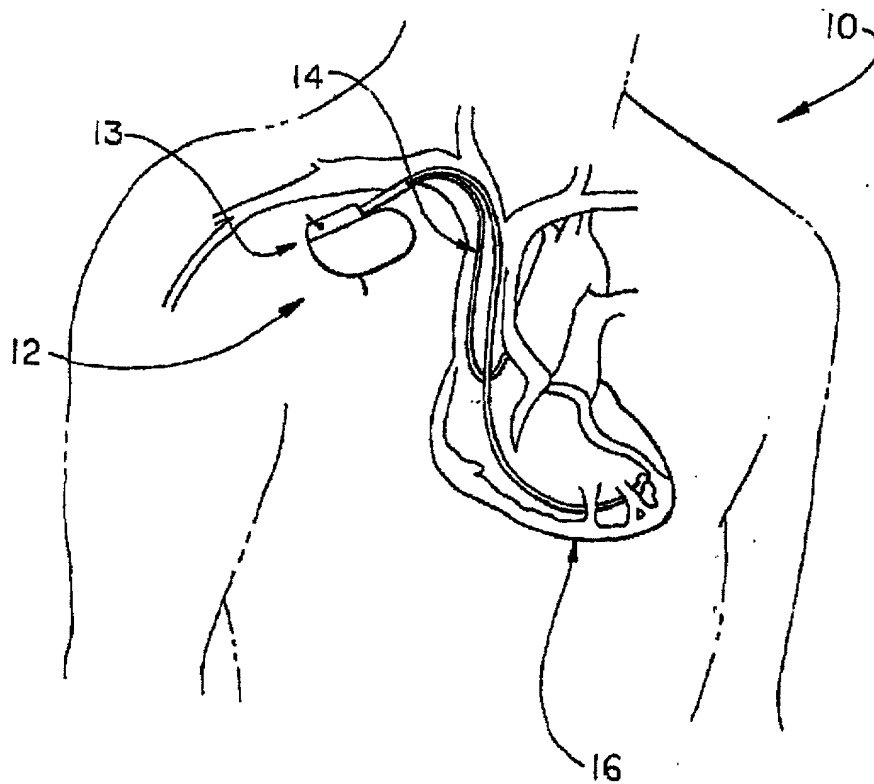


**Fig. 1**



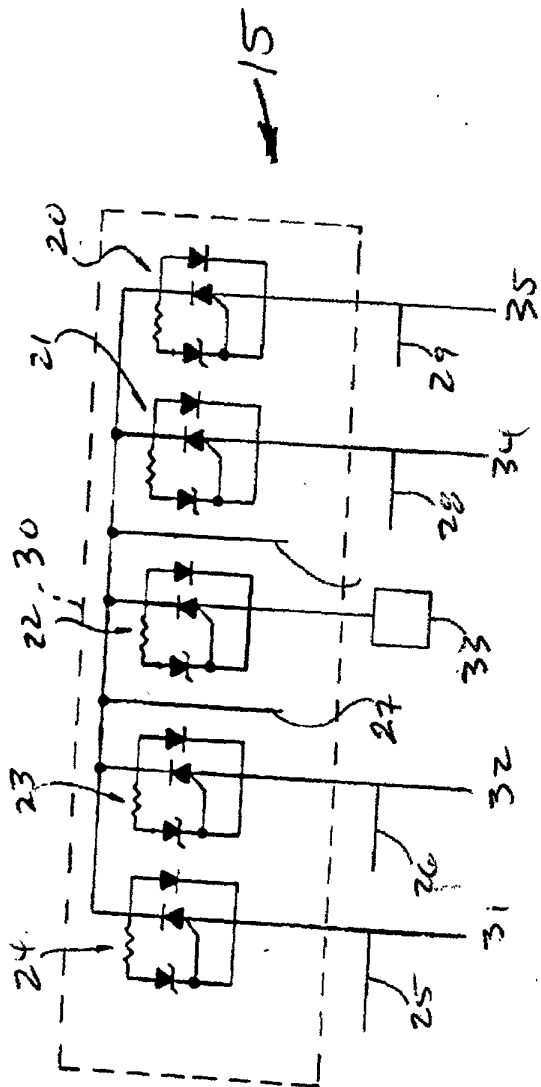


FIG. 2

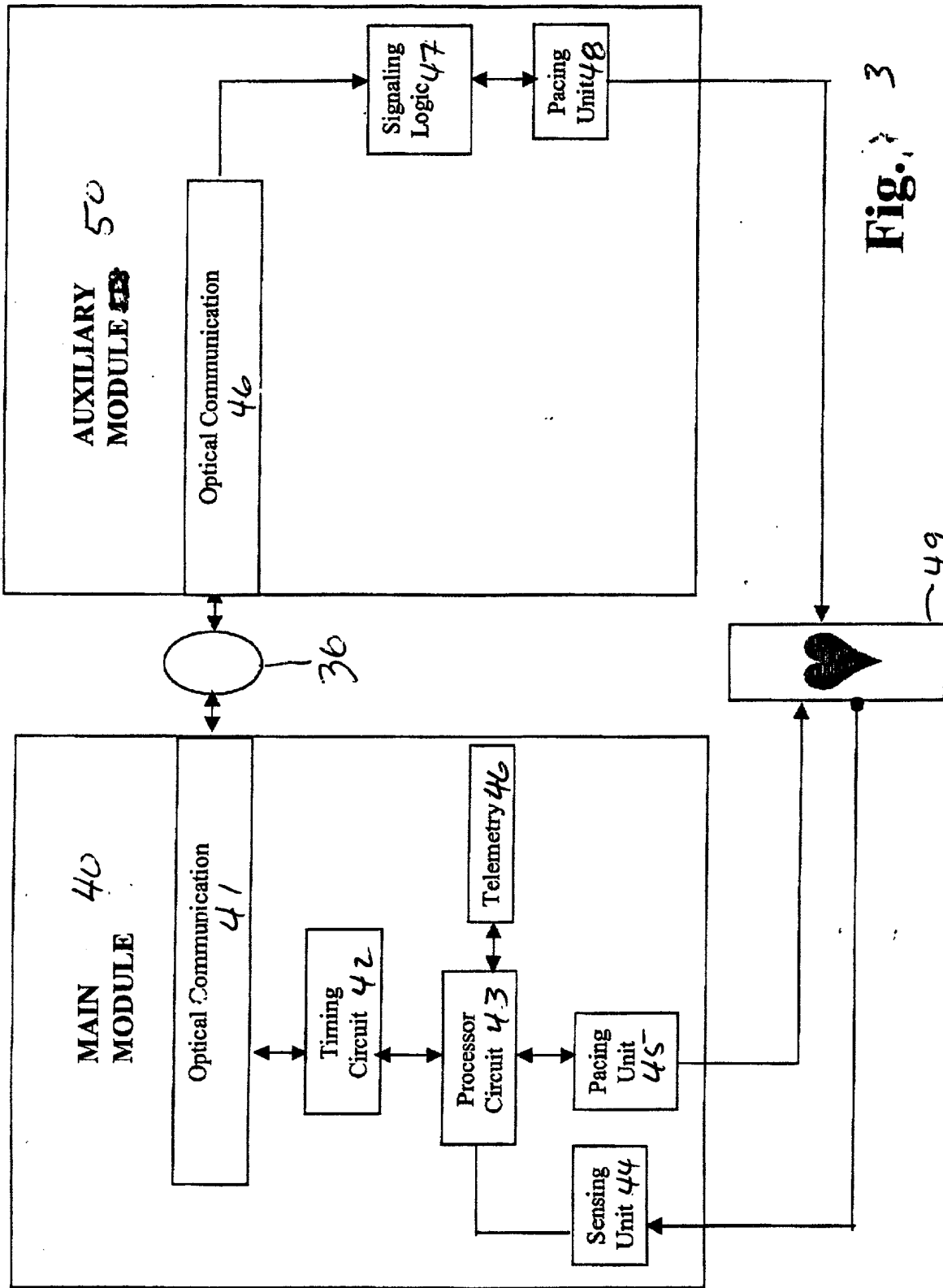


Fig. 3

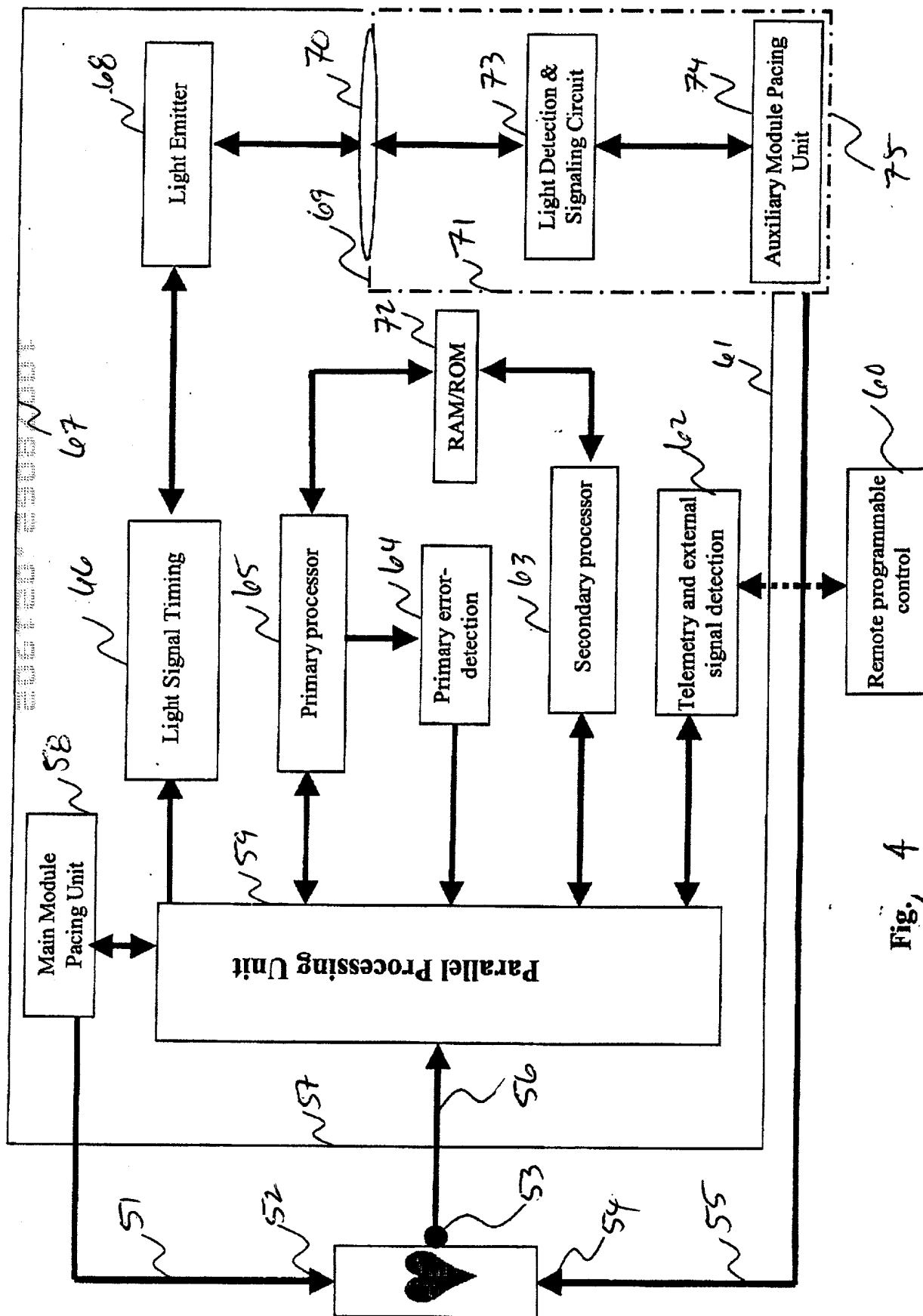


Fig. 4

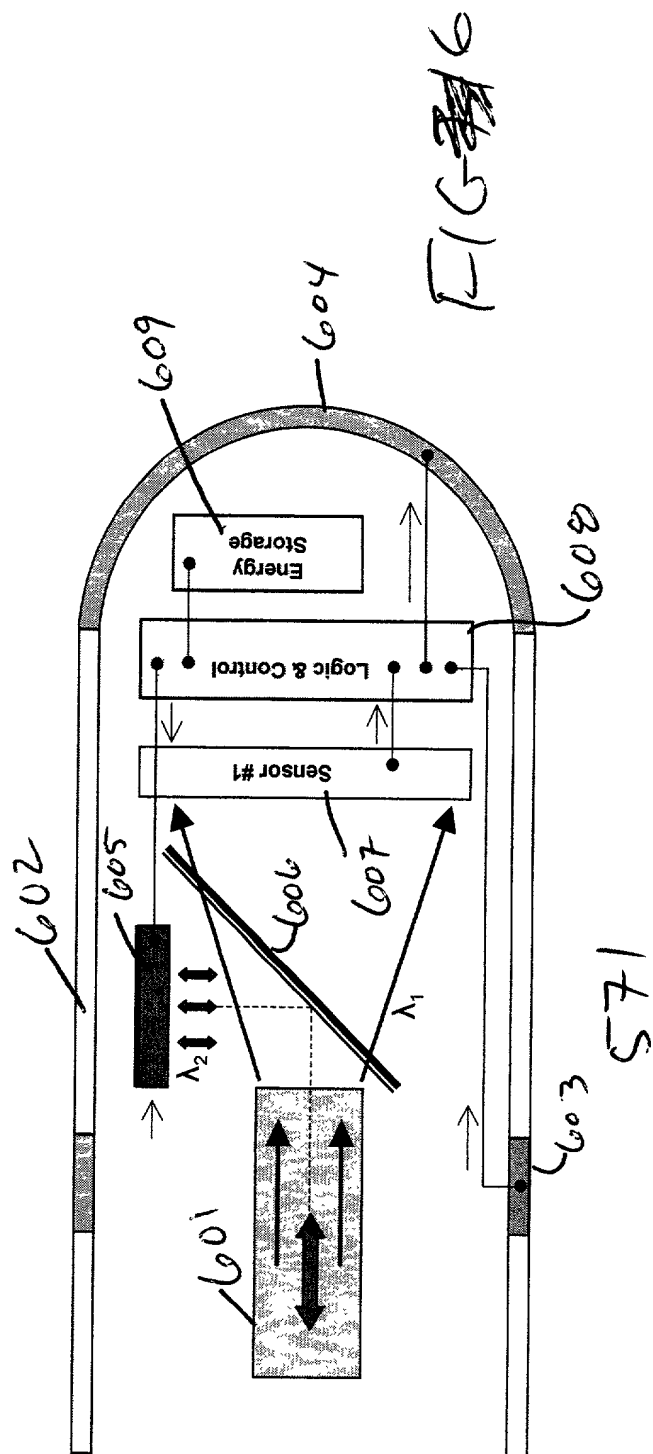
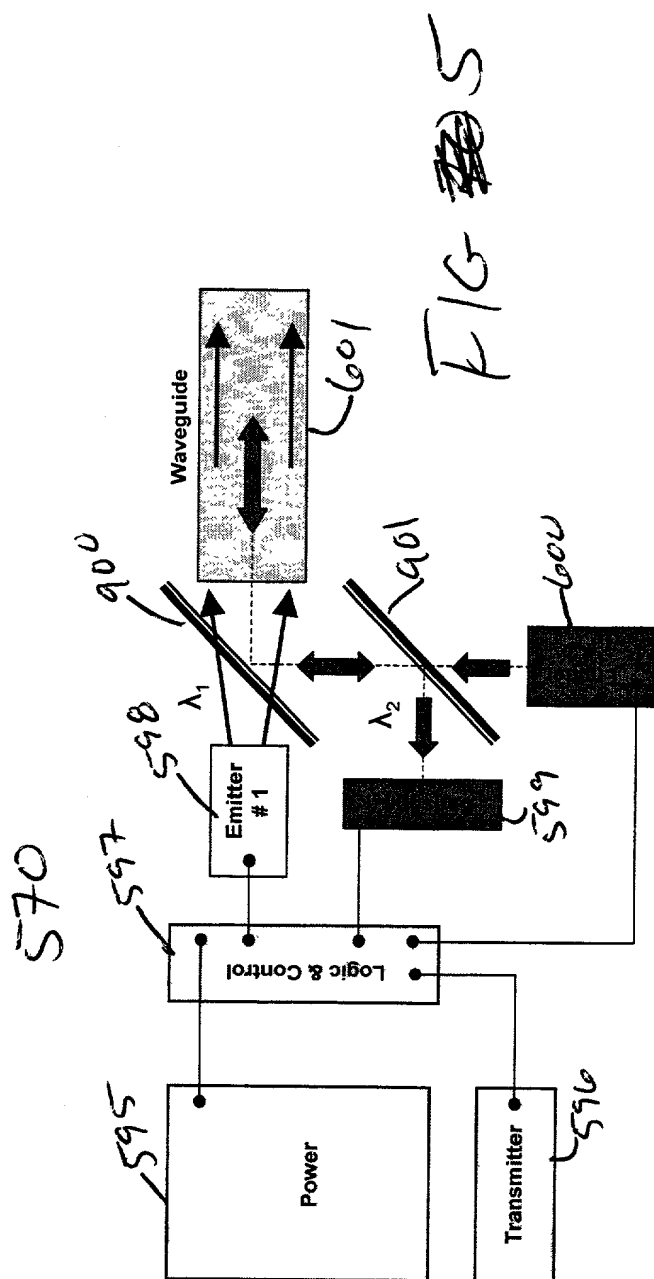


FIG 7

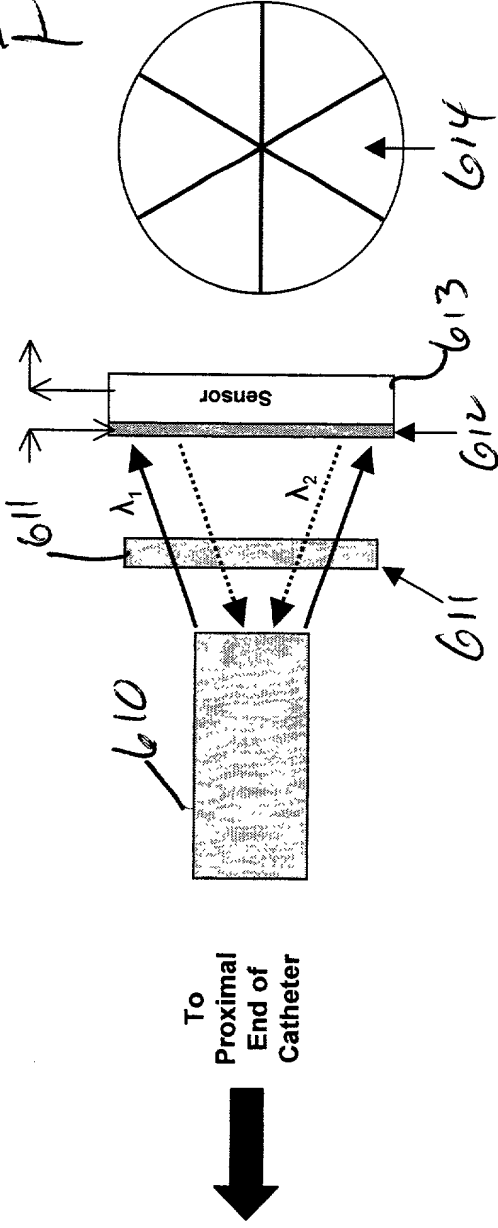
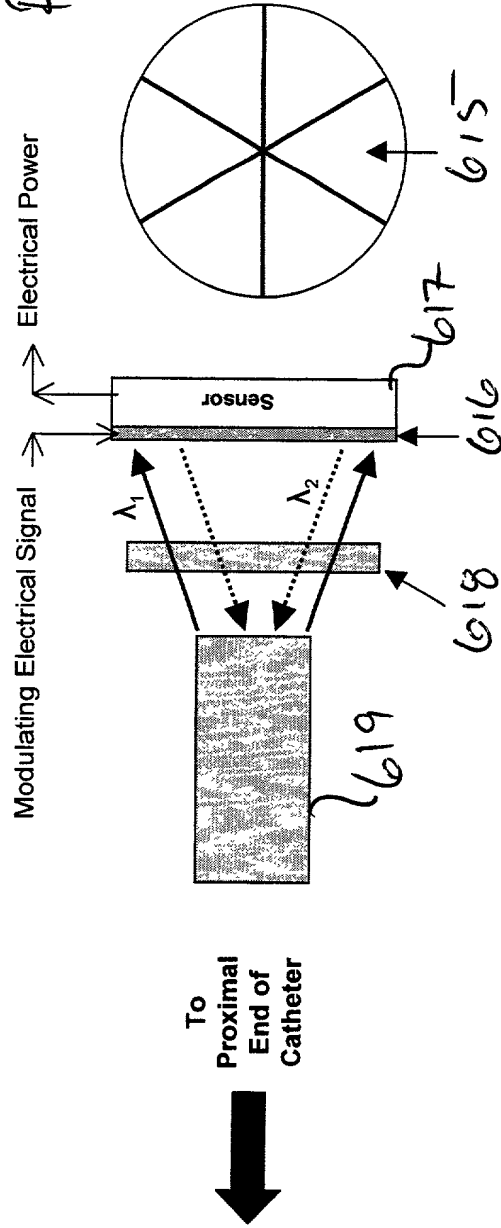
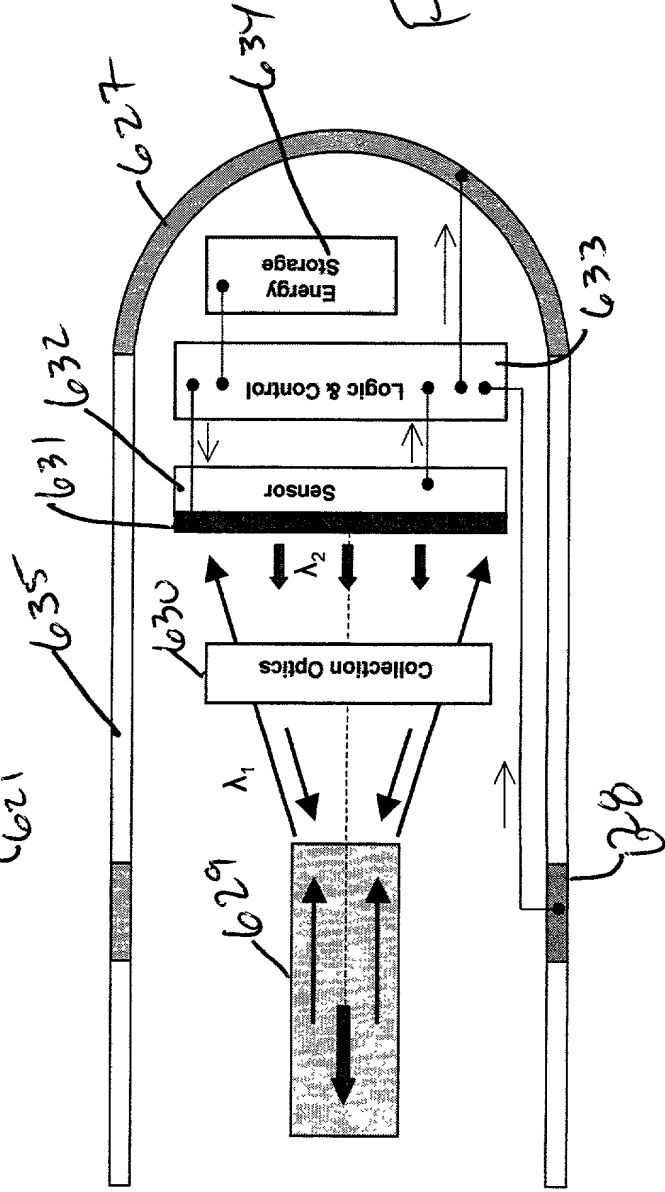
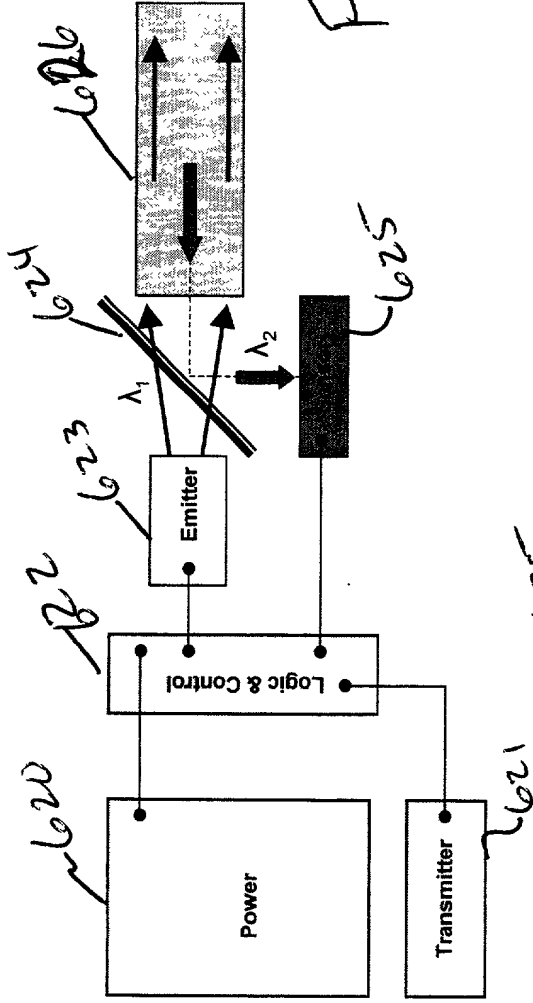


FIG 8





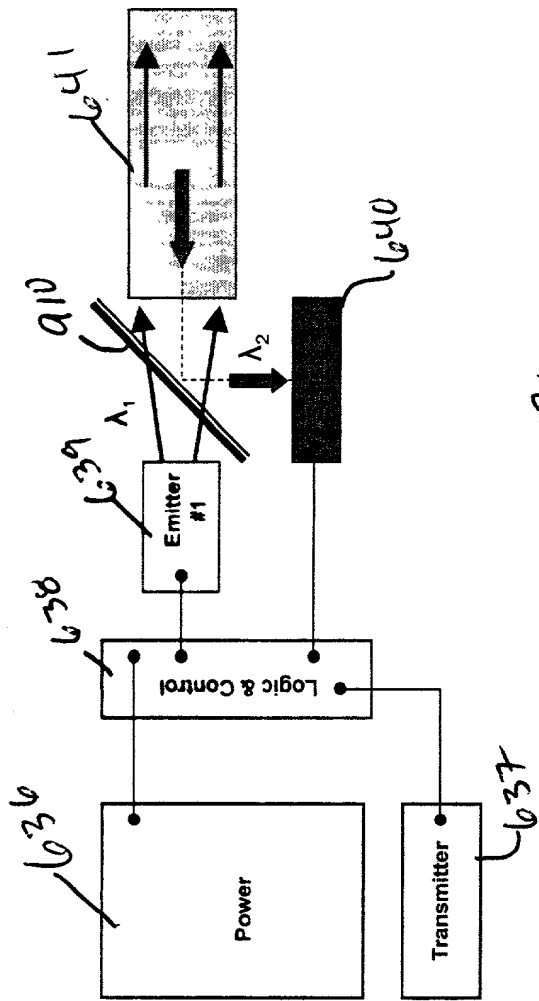


FIG. 1

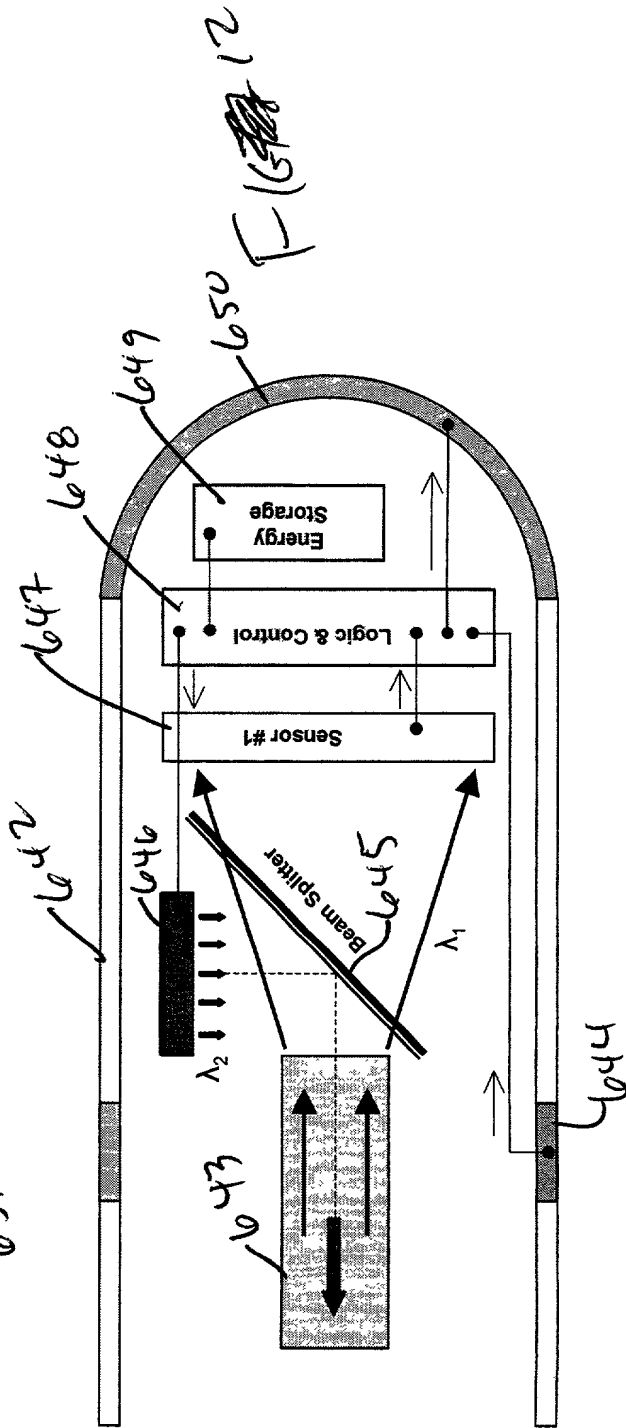


FIG. 2

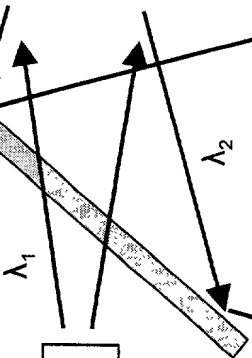


FIG. 13

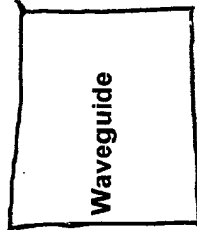
Electrical Power In  
(Pacing Pulse)



651



To Distal  
End of  
Catheter



655



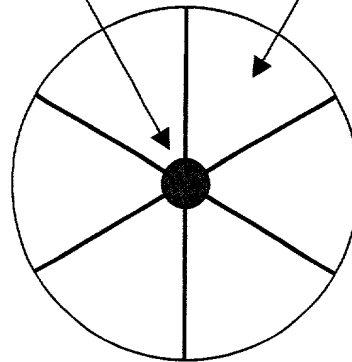
653

Electrical Signal Out



654

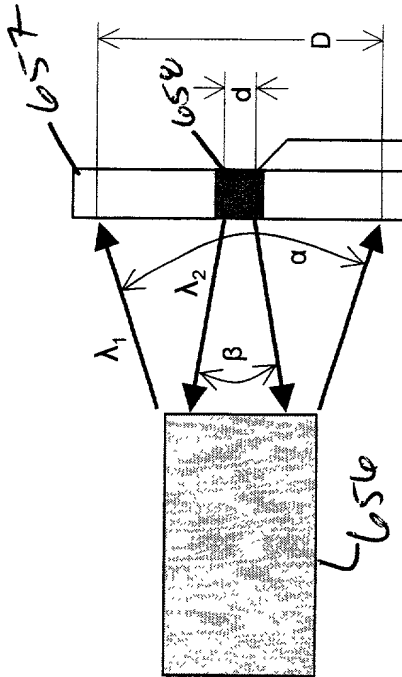
To Proximal  
End of  
Catheter



658

657

FIG. 14

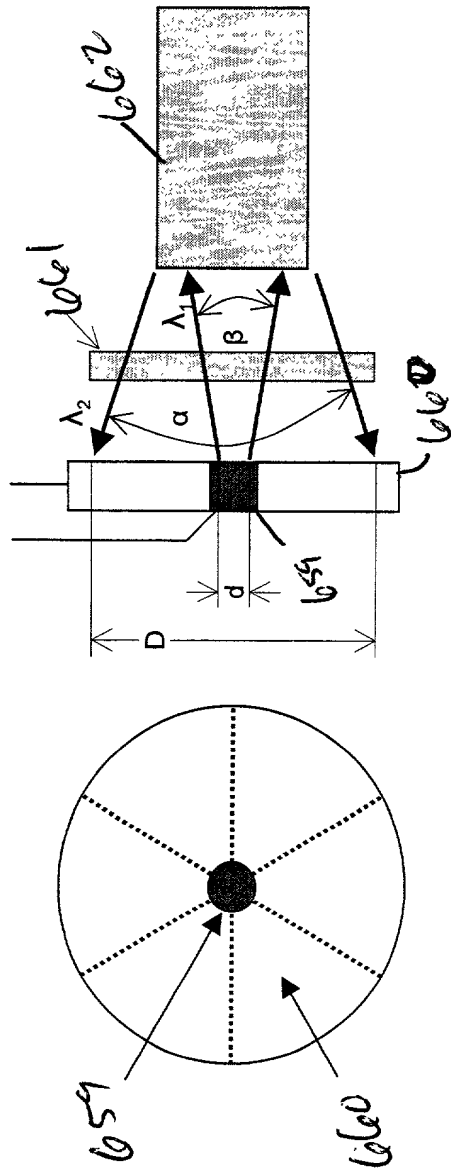


Electrical Power Out

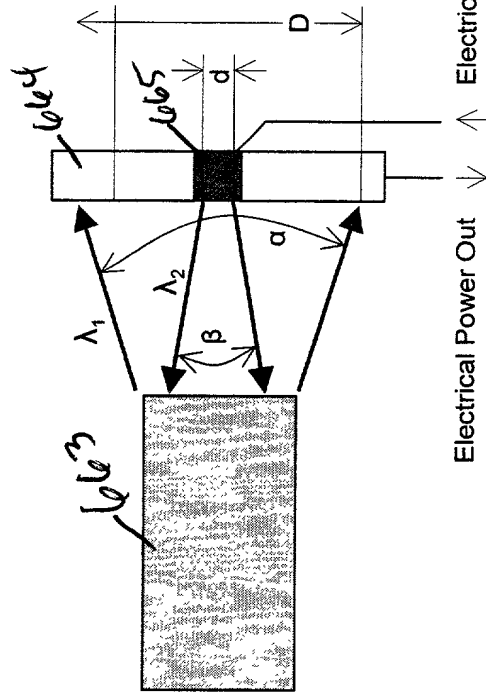


Electrical Signal In

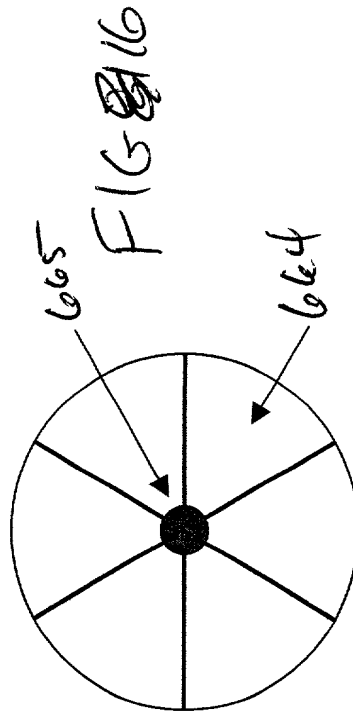
Electrical Power In      Electrical Signal Out

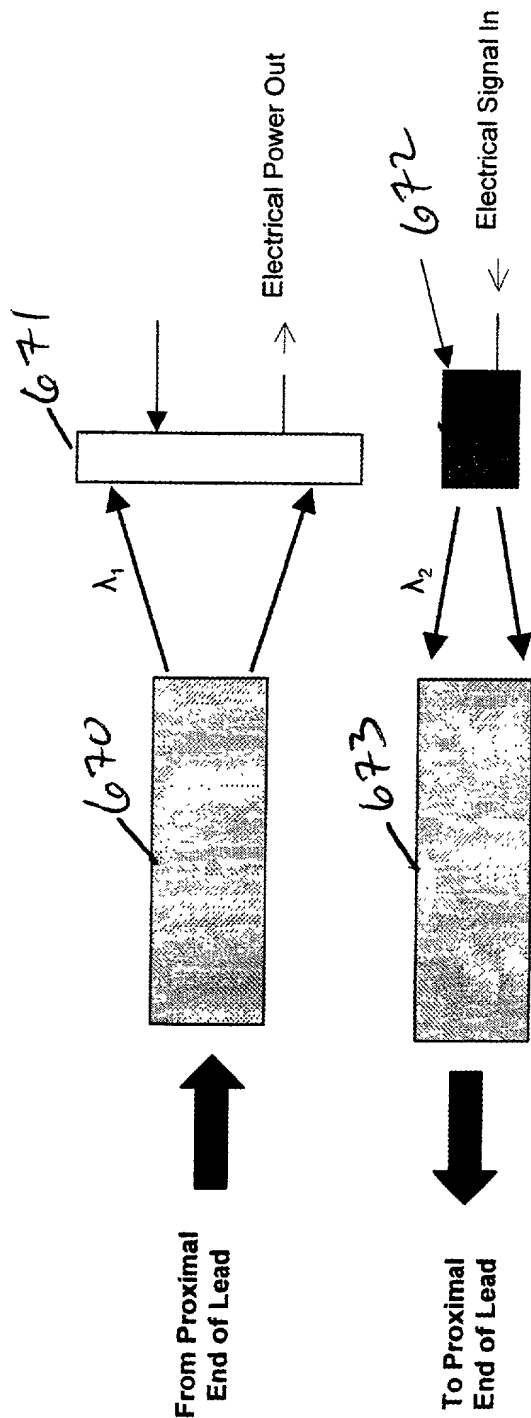
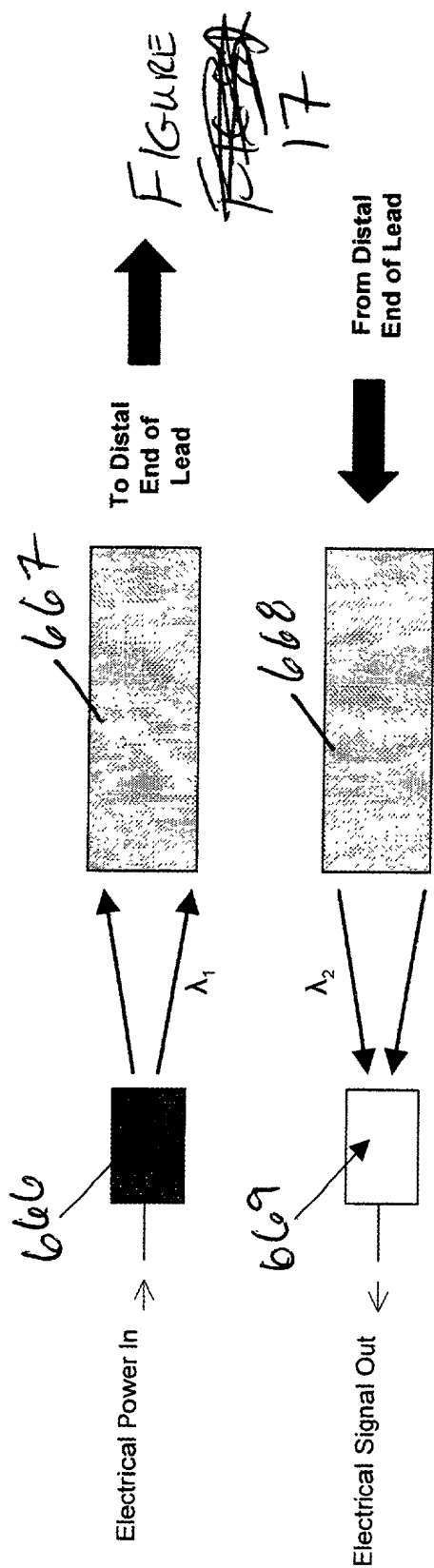


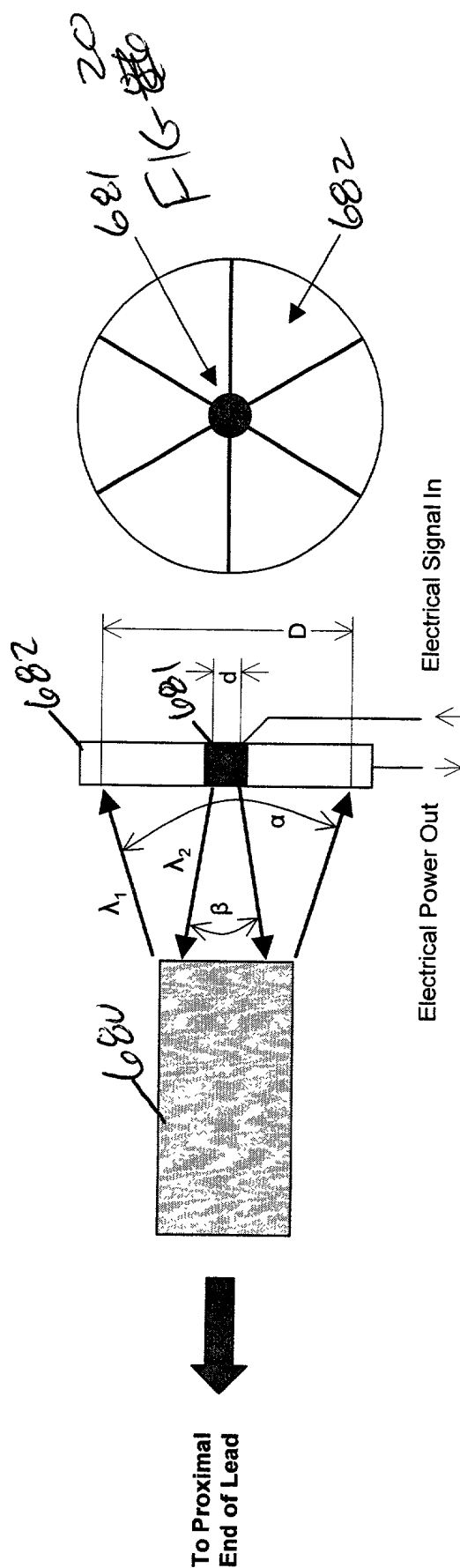
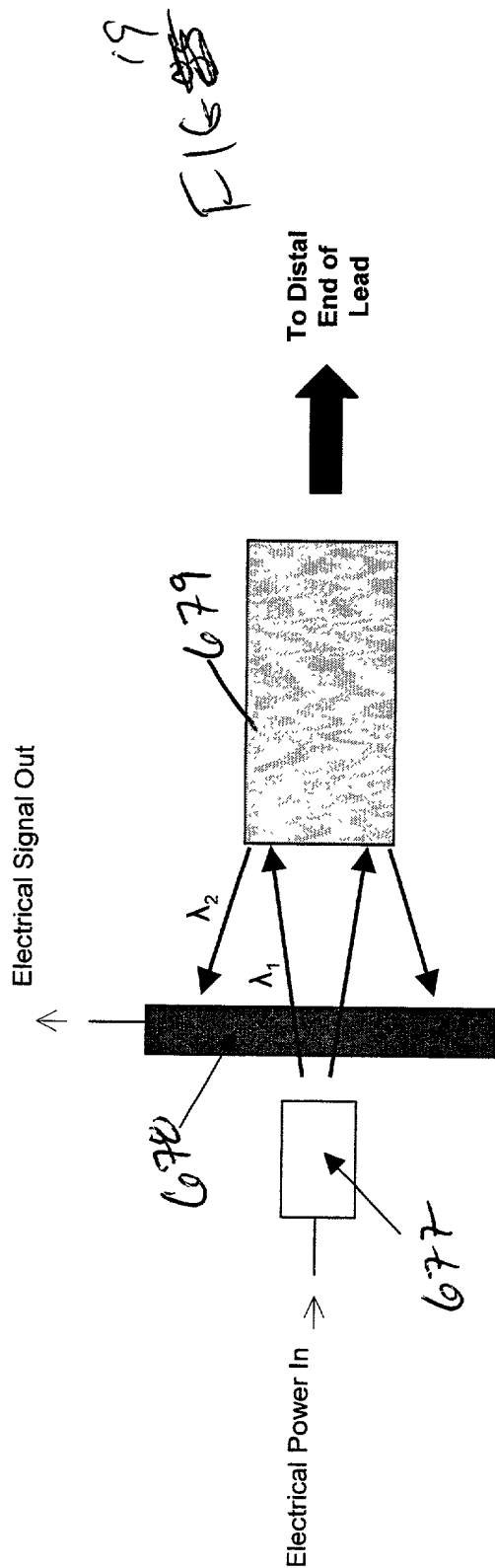
To Proximal End of Catheter



Electrical Power Out      Electrical Signal In







Fiber-optic coupling

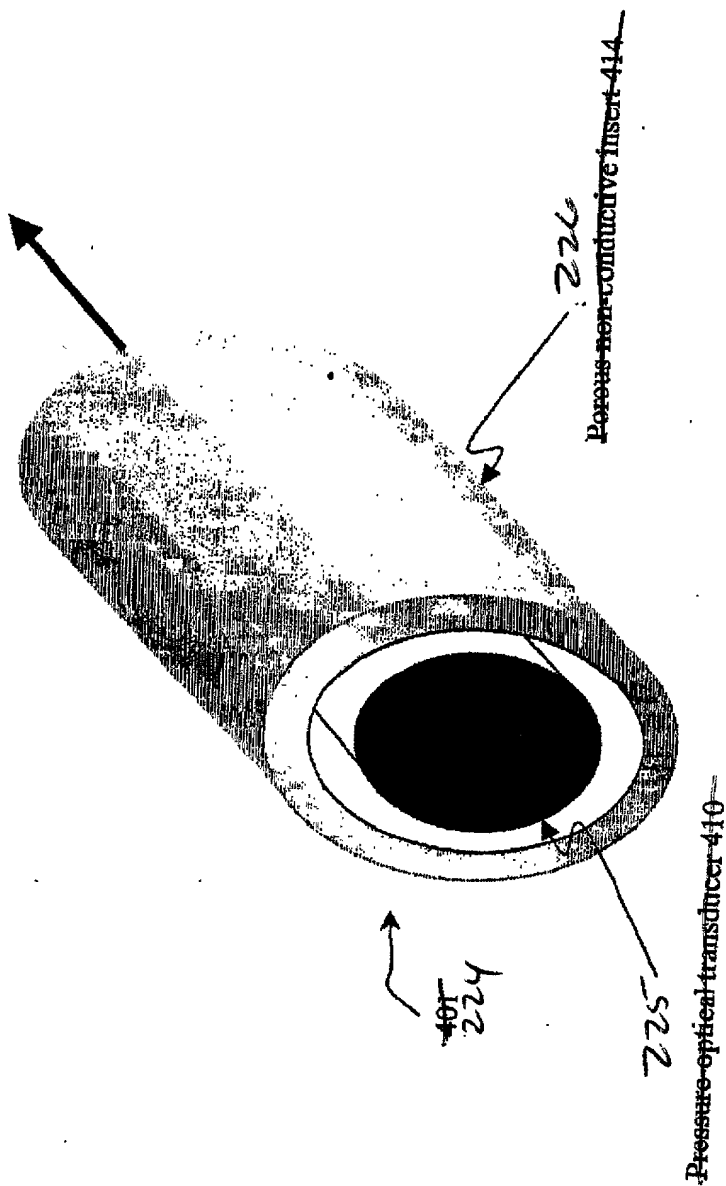


Fig. 1

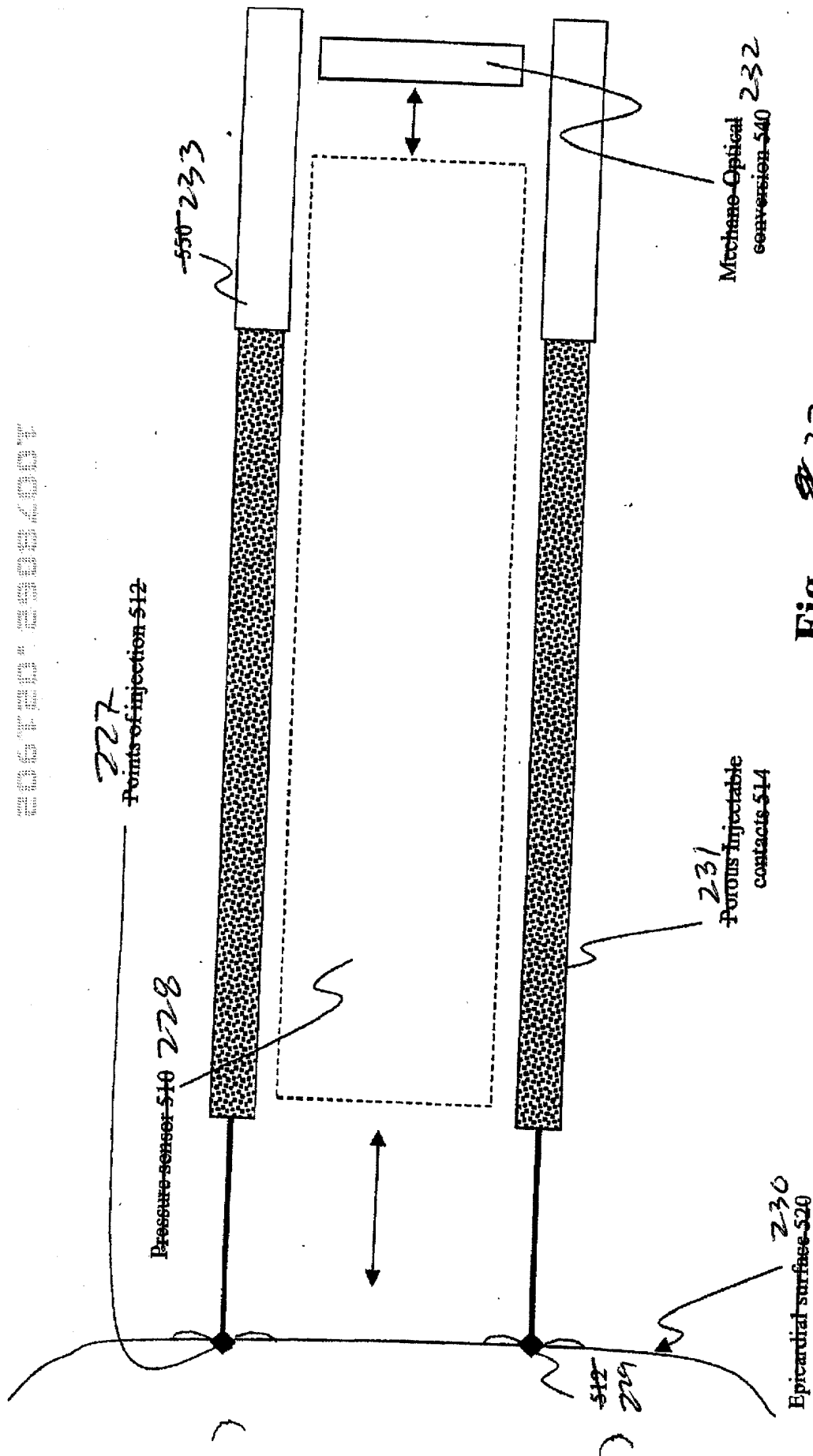
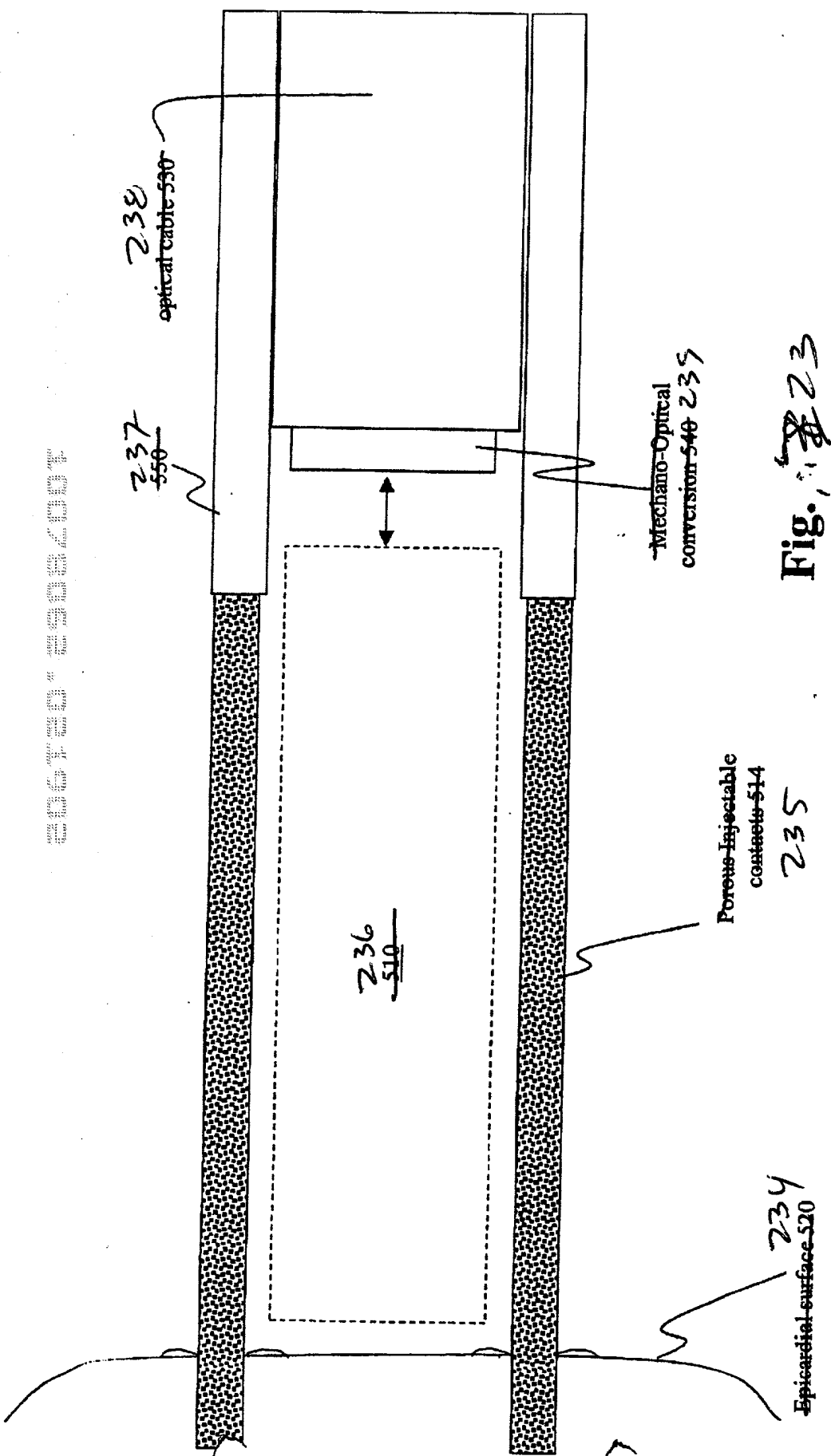


Fig. 22



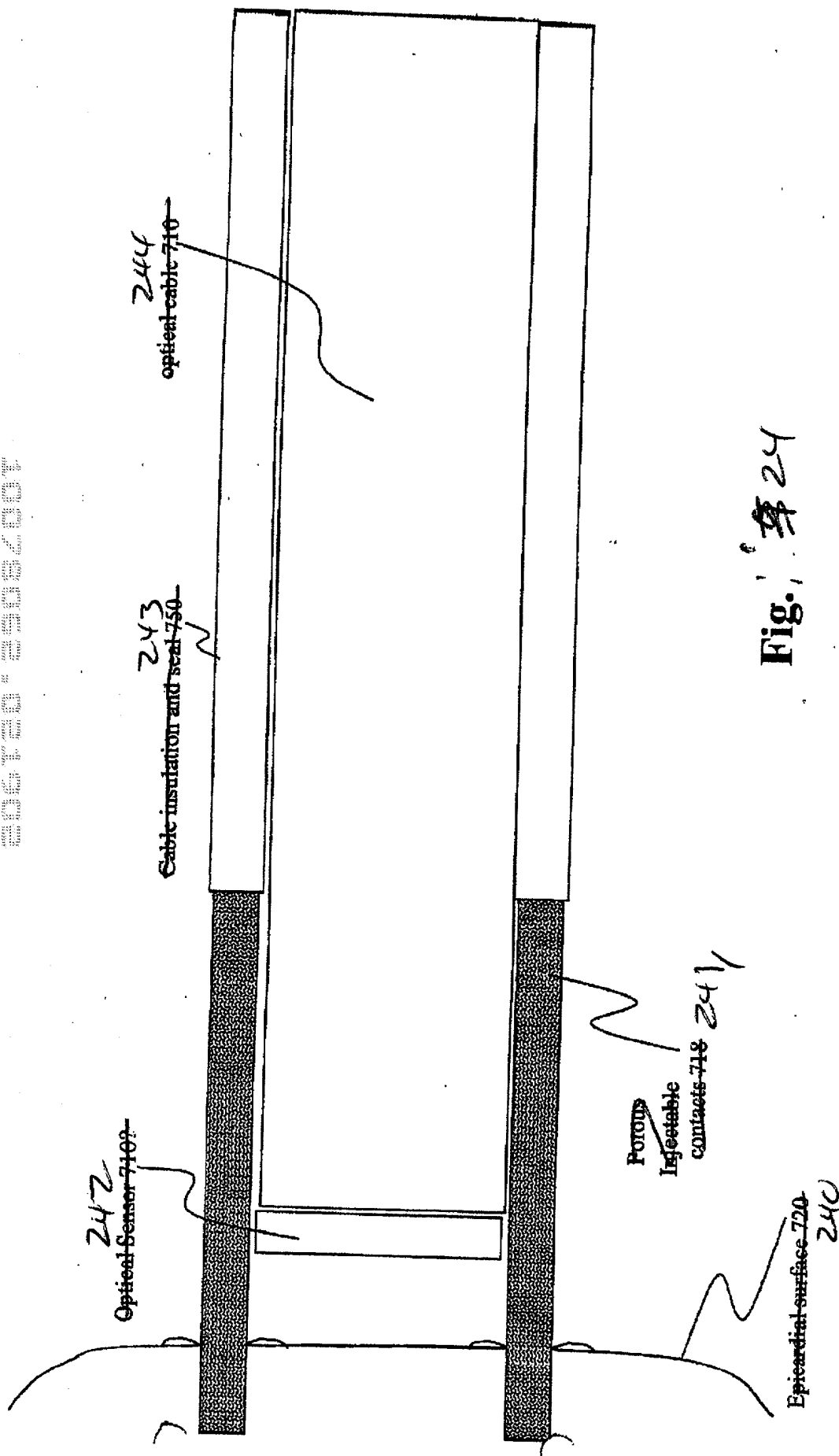


Fig. 24





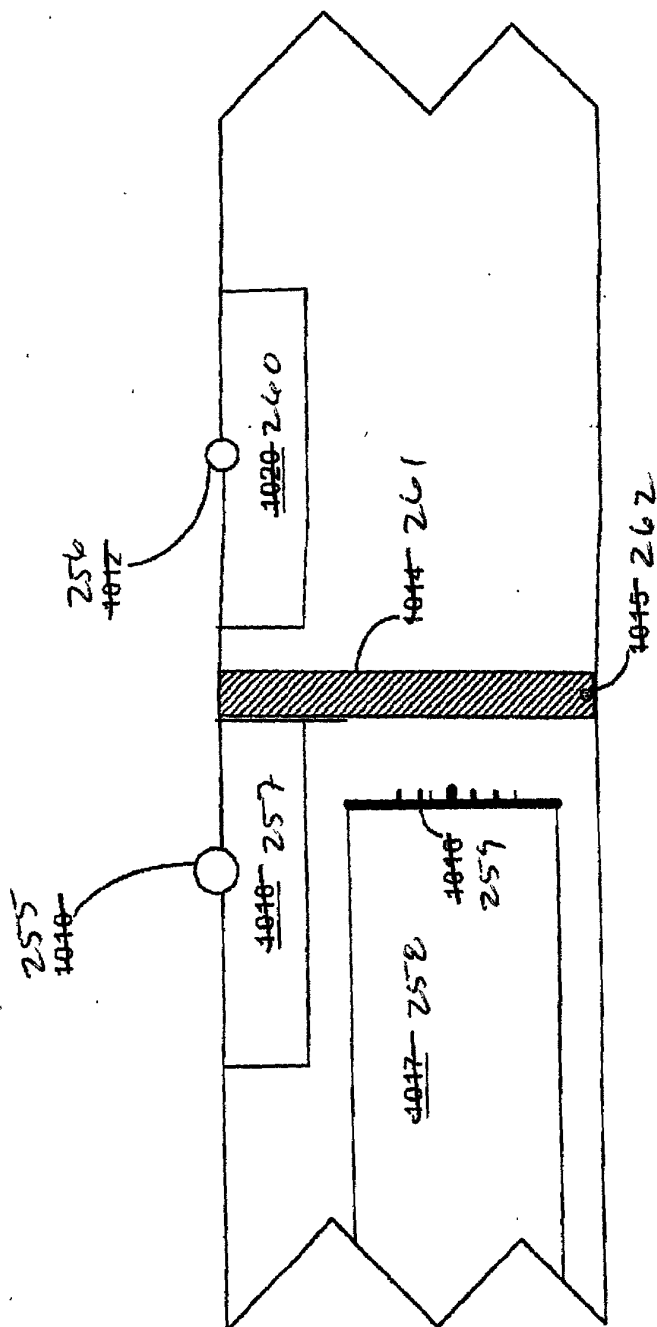


Fig. 26

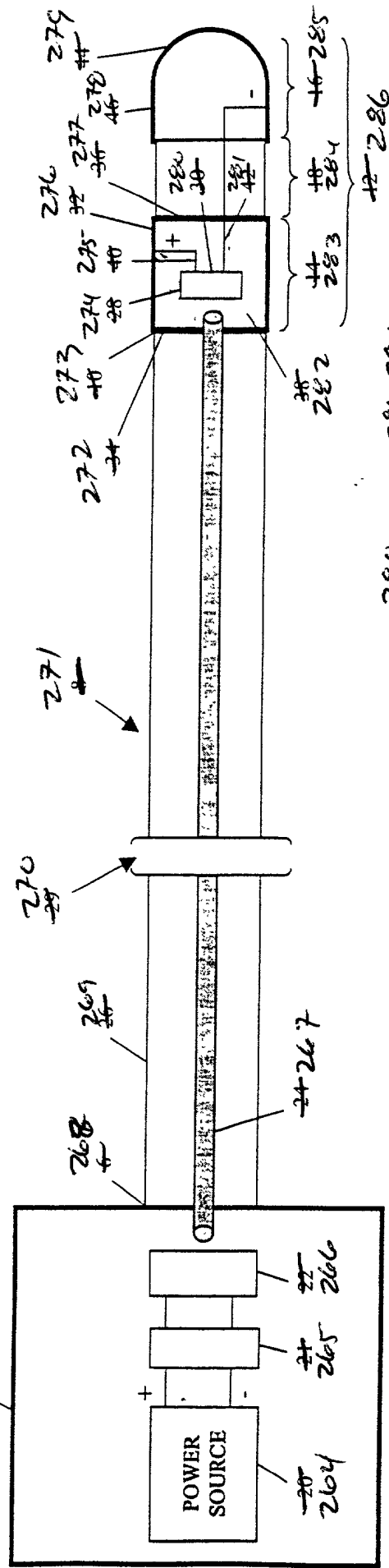


FIG. 27

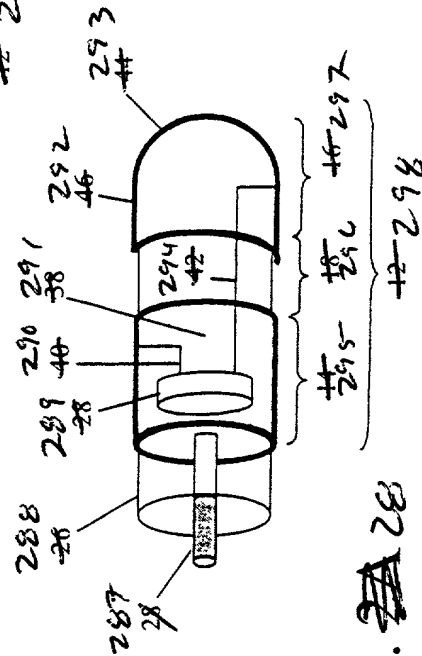


FIG. 28

FIG. 2

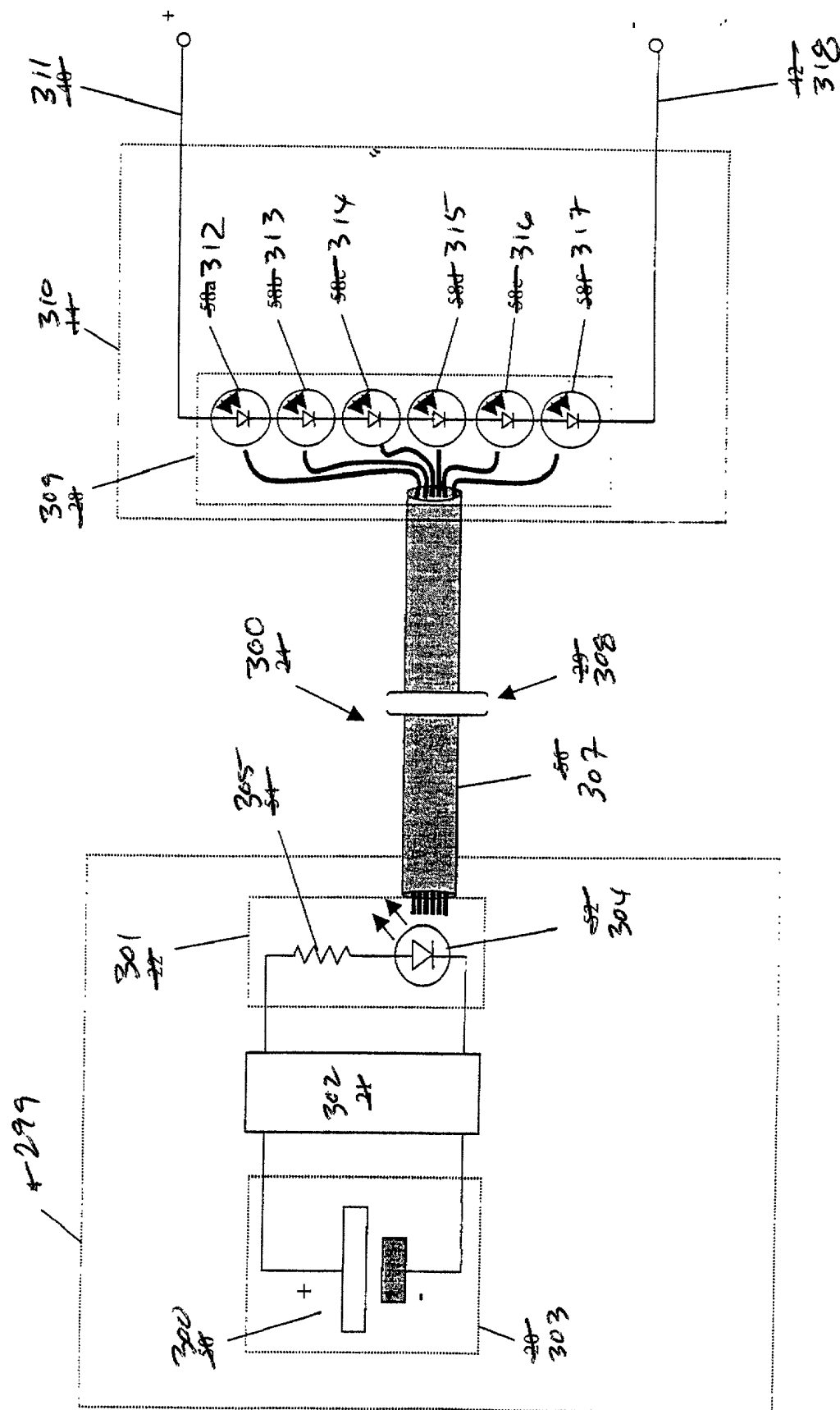


FIG. 29

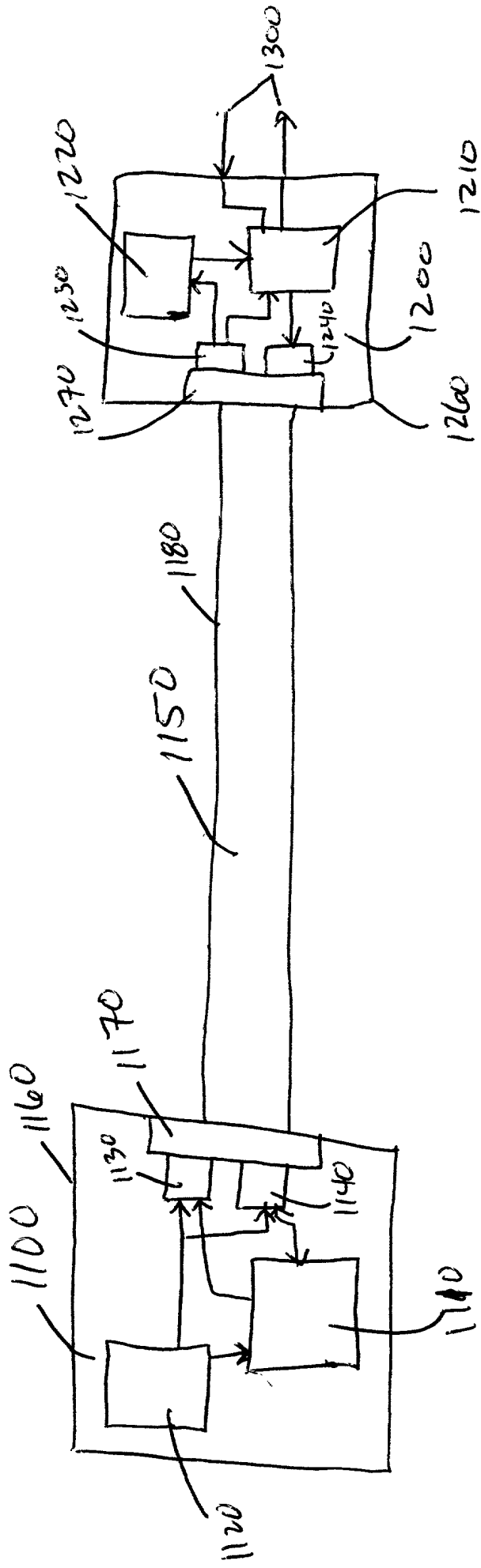


FIGURE 30

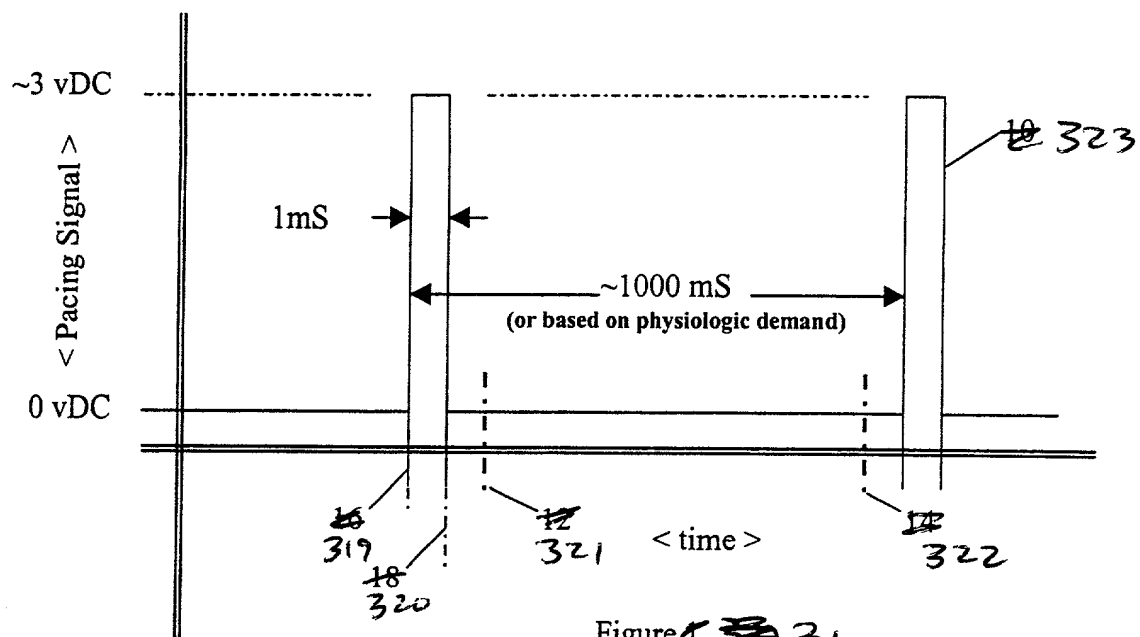


Figure 31

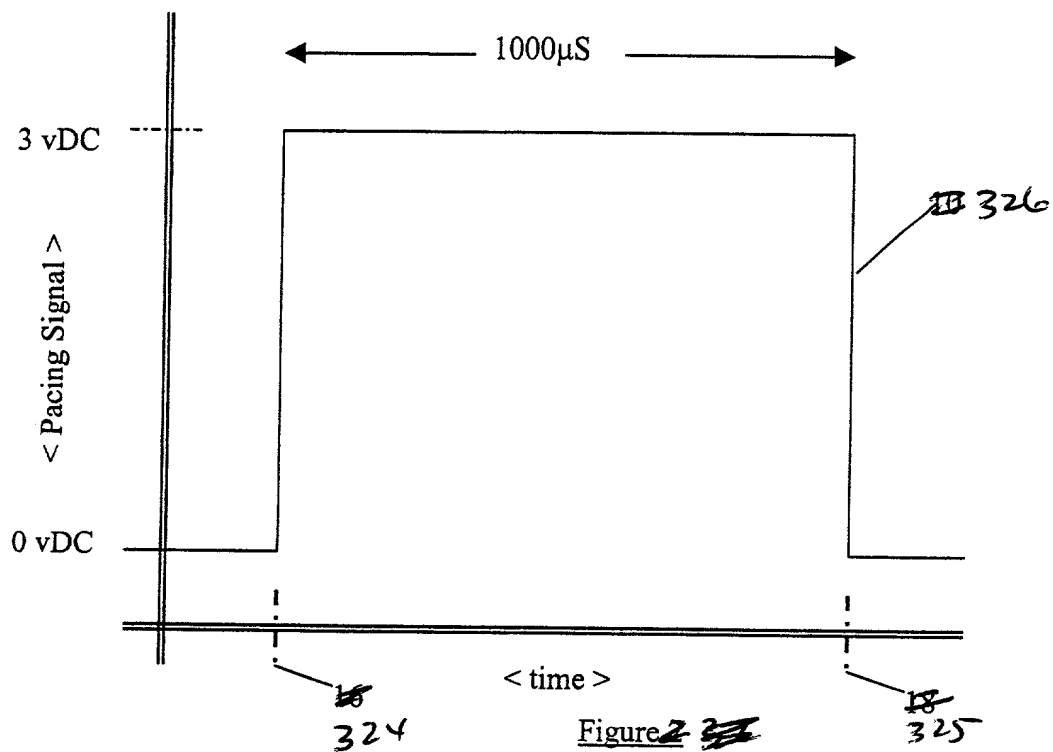


Figure 32

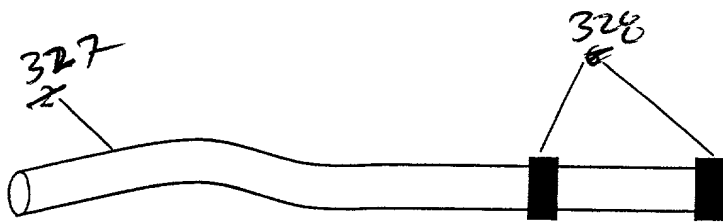


Figure ~~33~~ 33

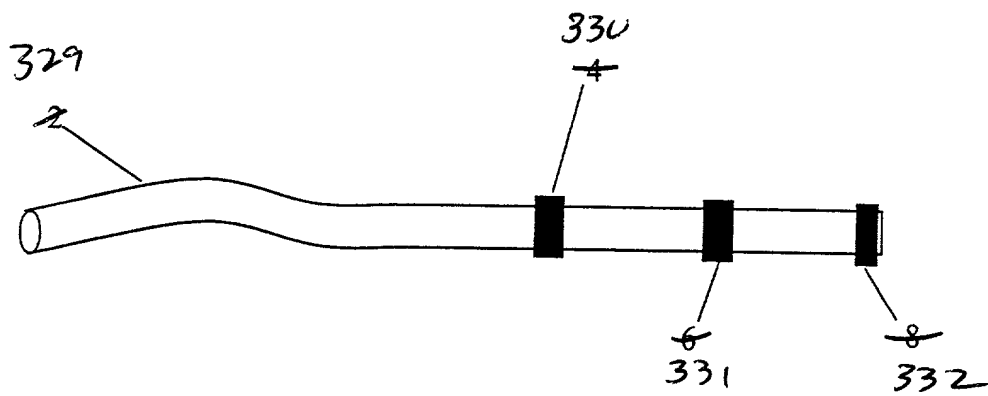


Figure ~~34~~ 34

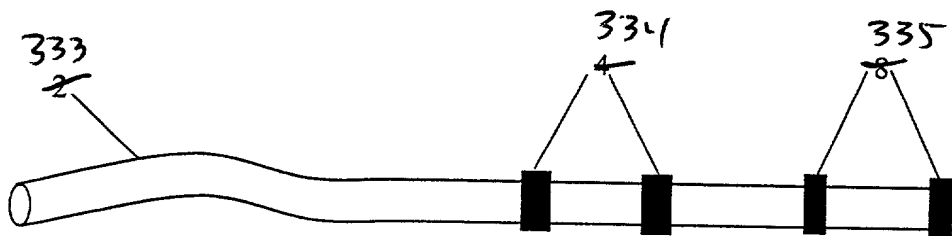


Figure ~~35~~ 35

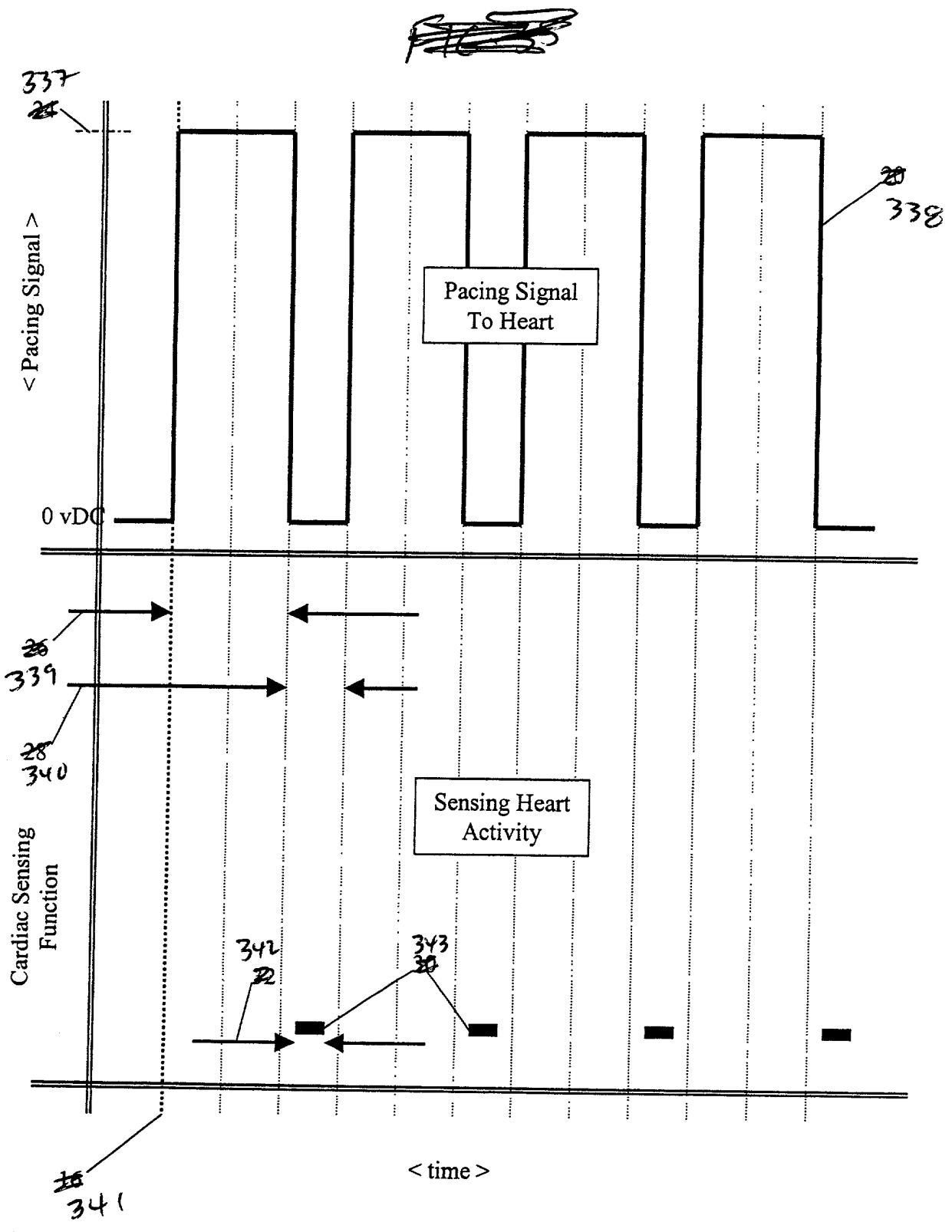


Figure 36



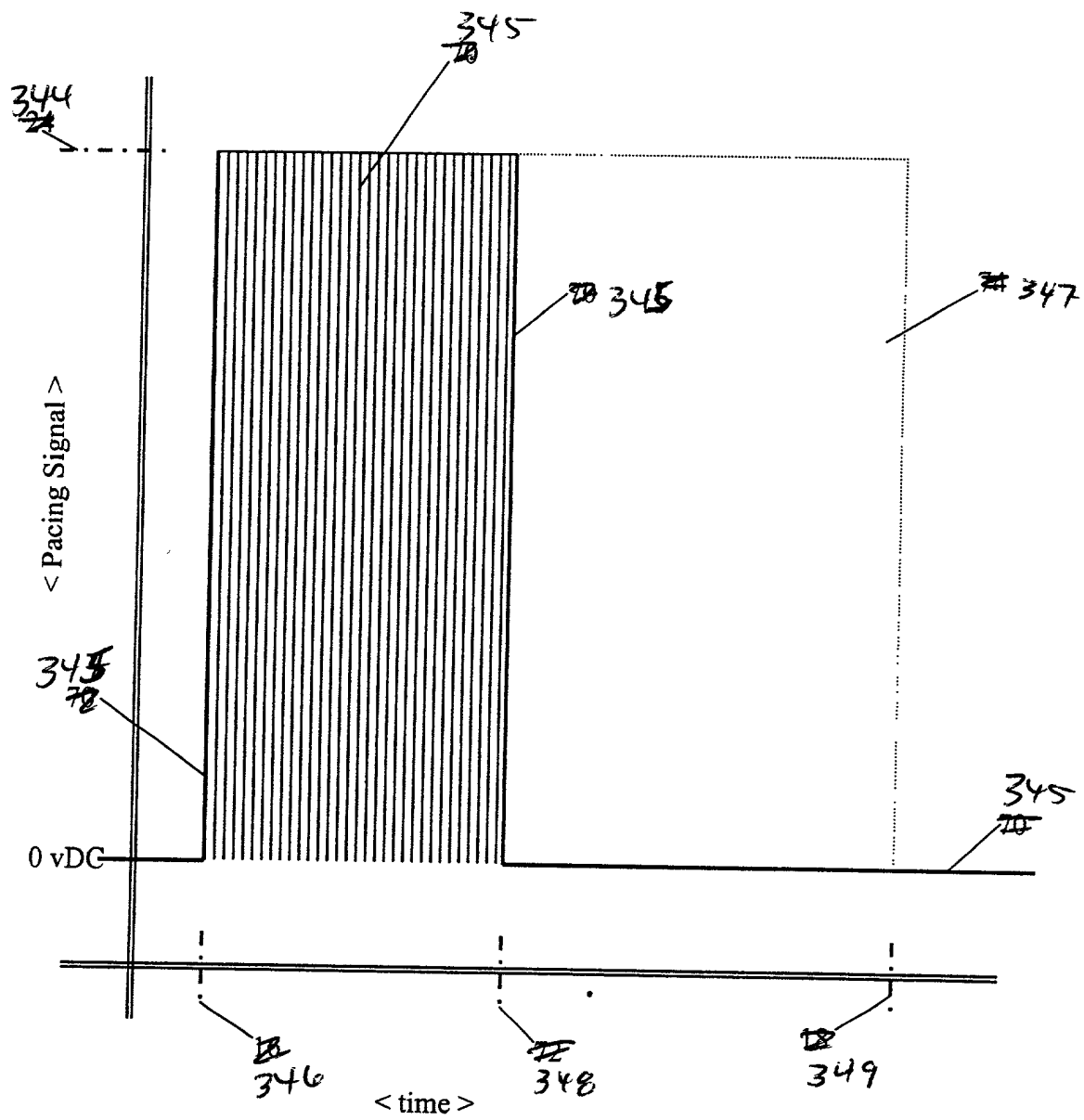


Figure 37

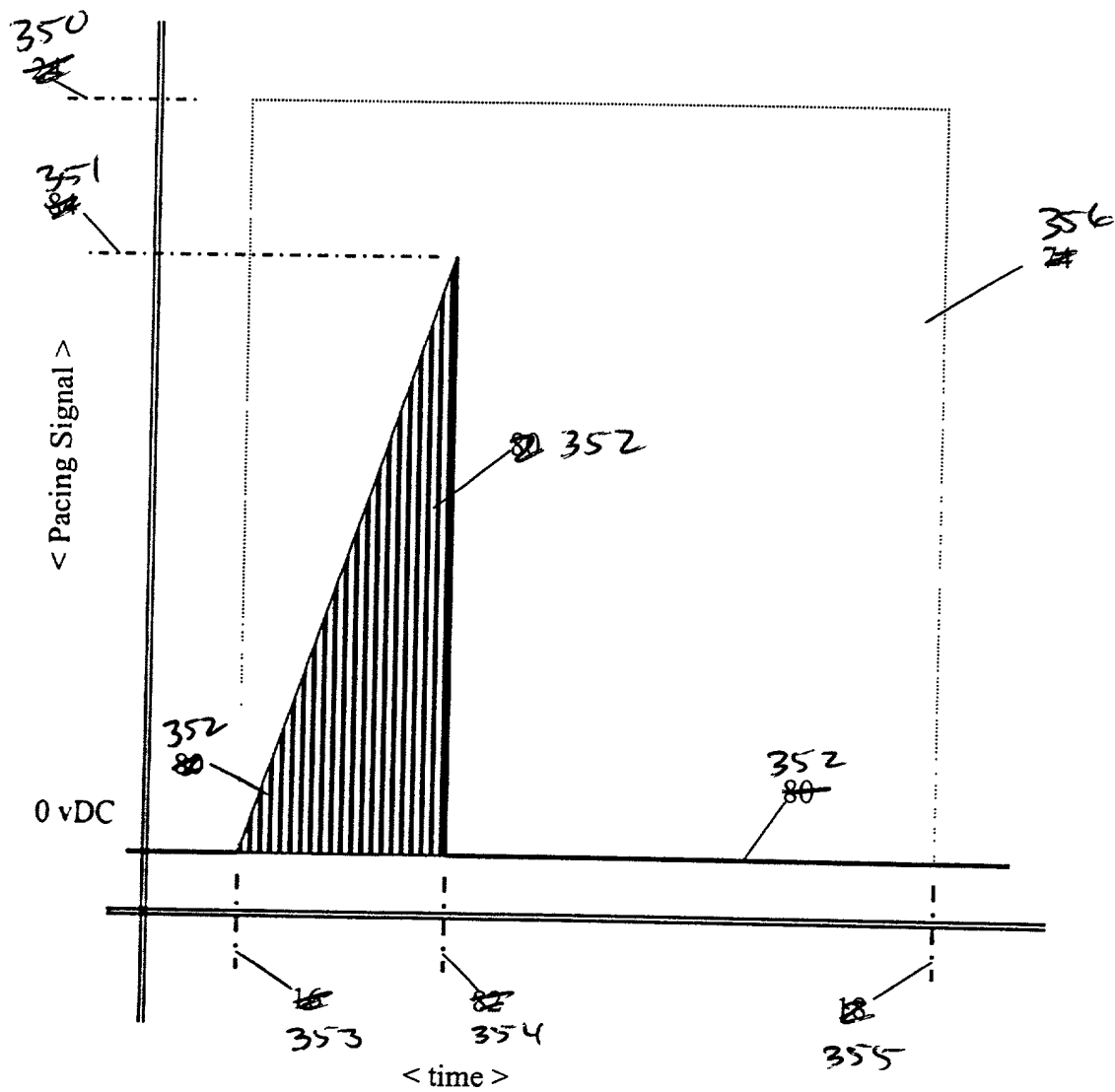


Figure 38

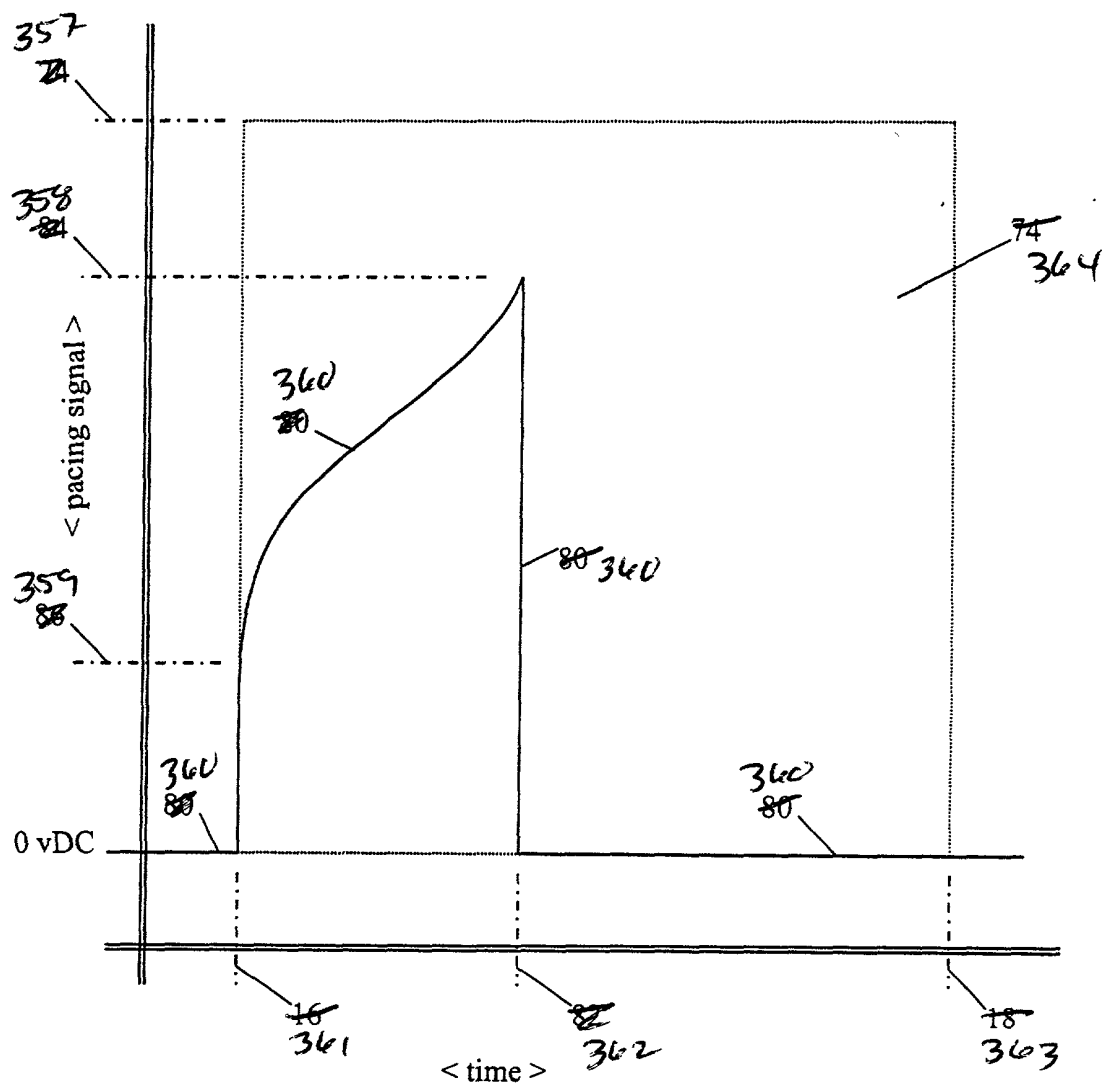


Figure ~~10~~ 39

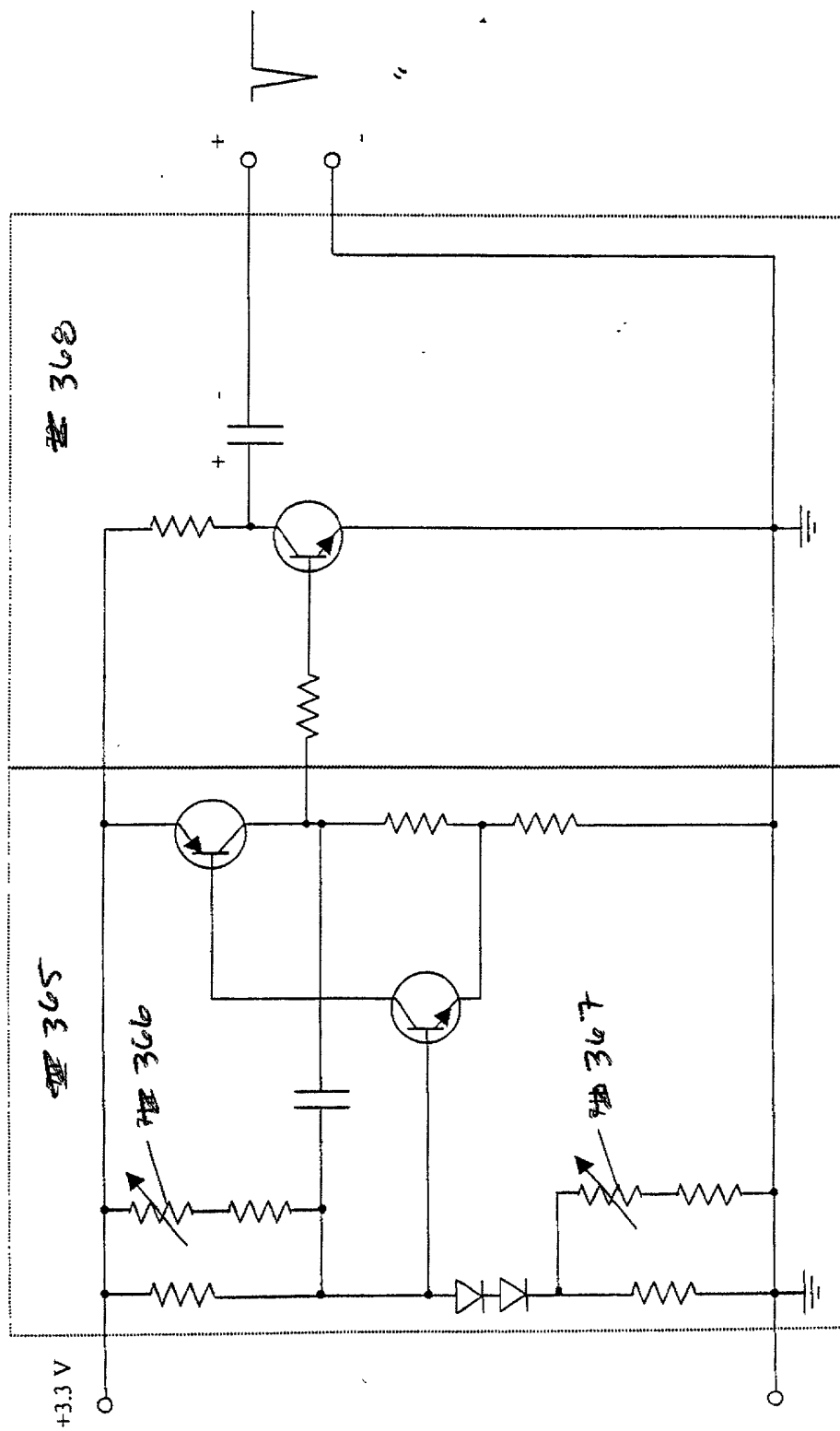


FIG. 40

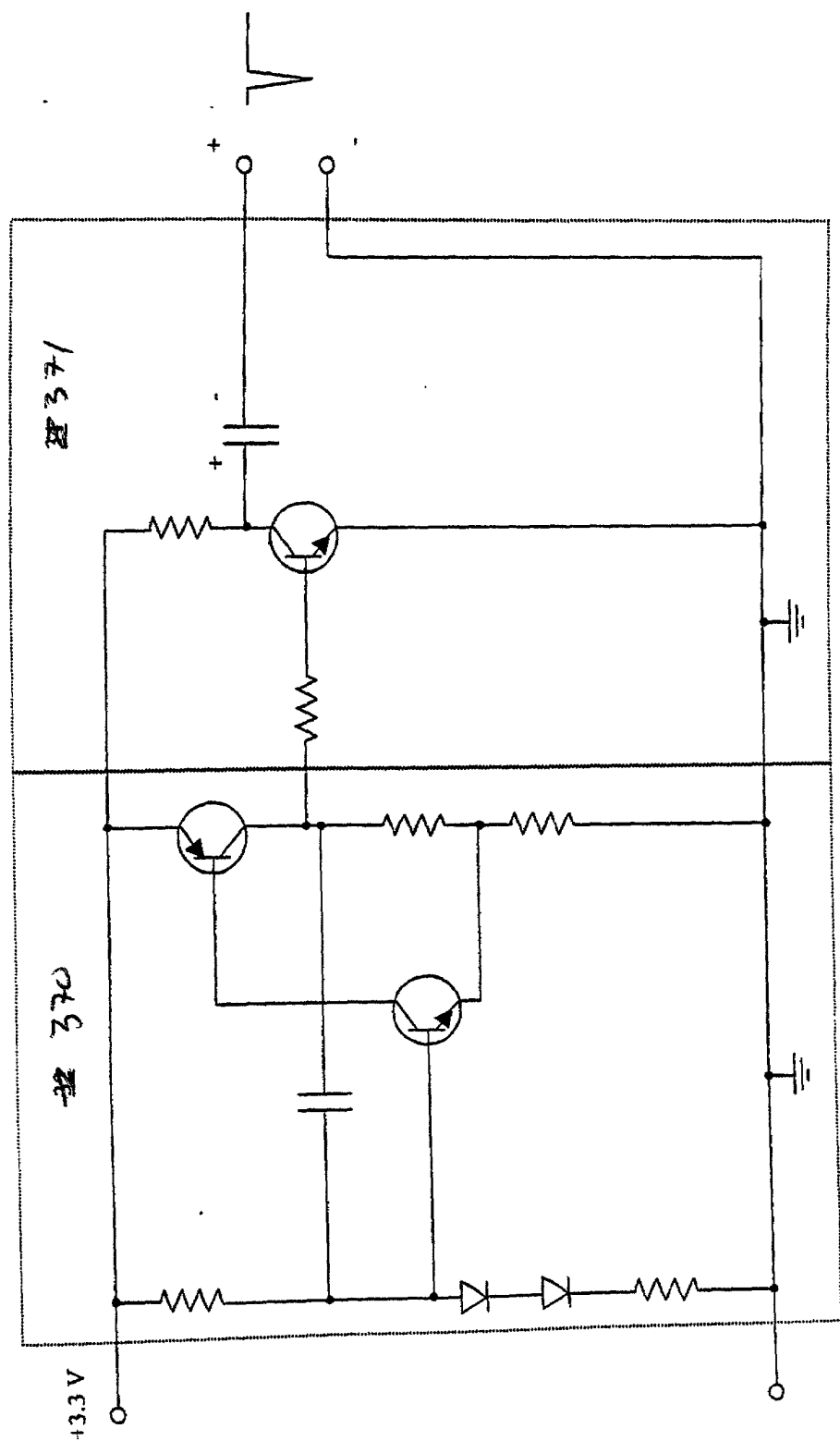
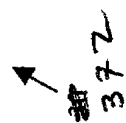


FIG. 841



2025-03-20 20:00:00

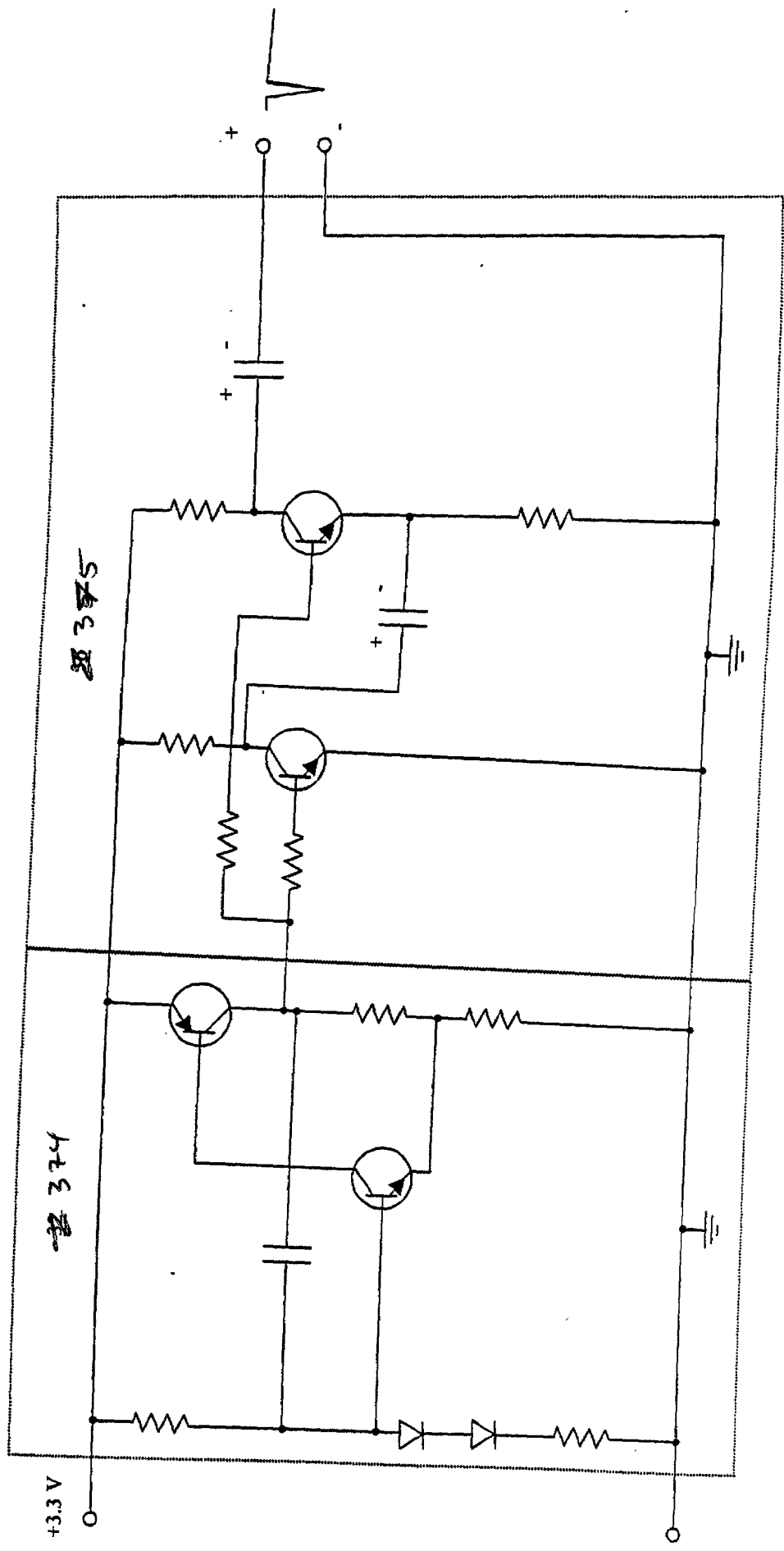


FIG. 442

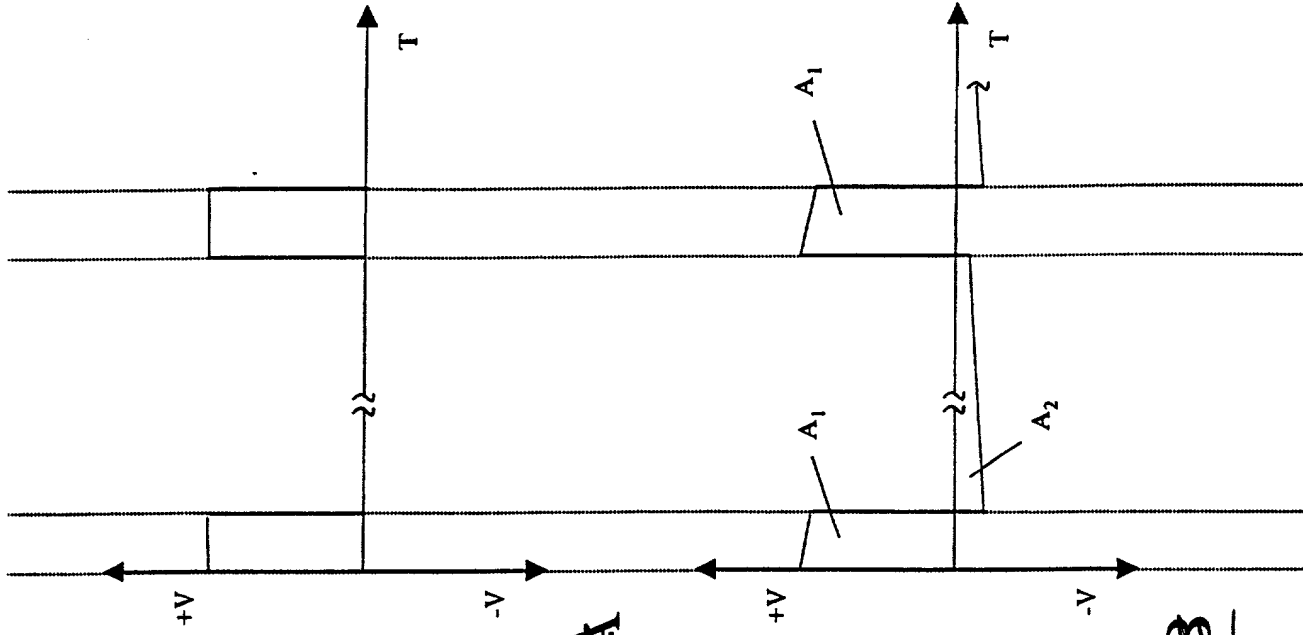


FIG. 6A

FIG. 6B

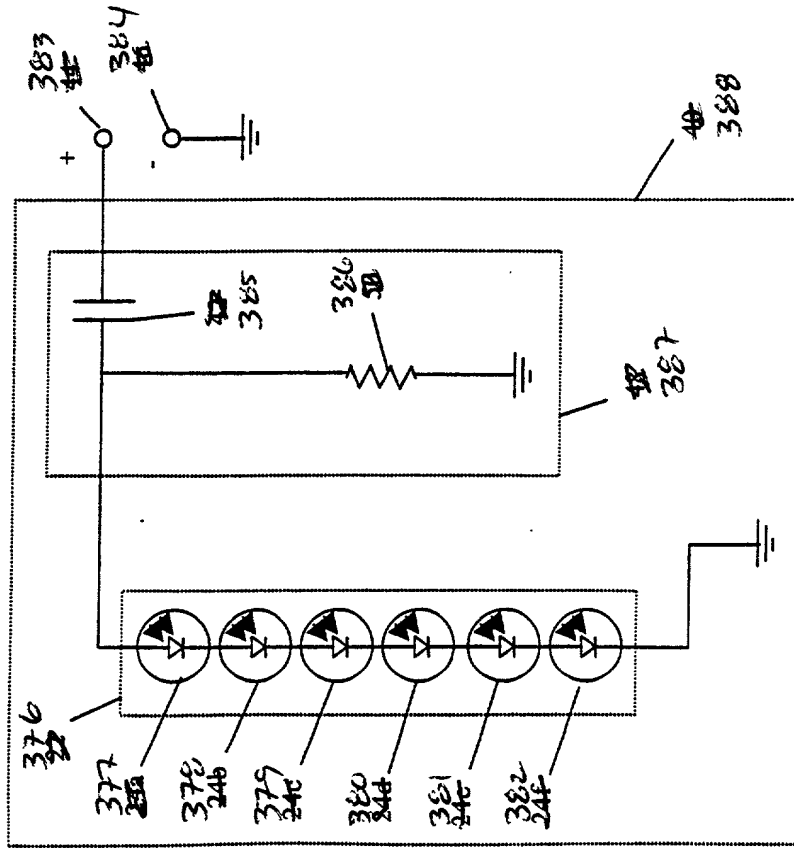


FIG. 843

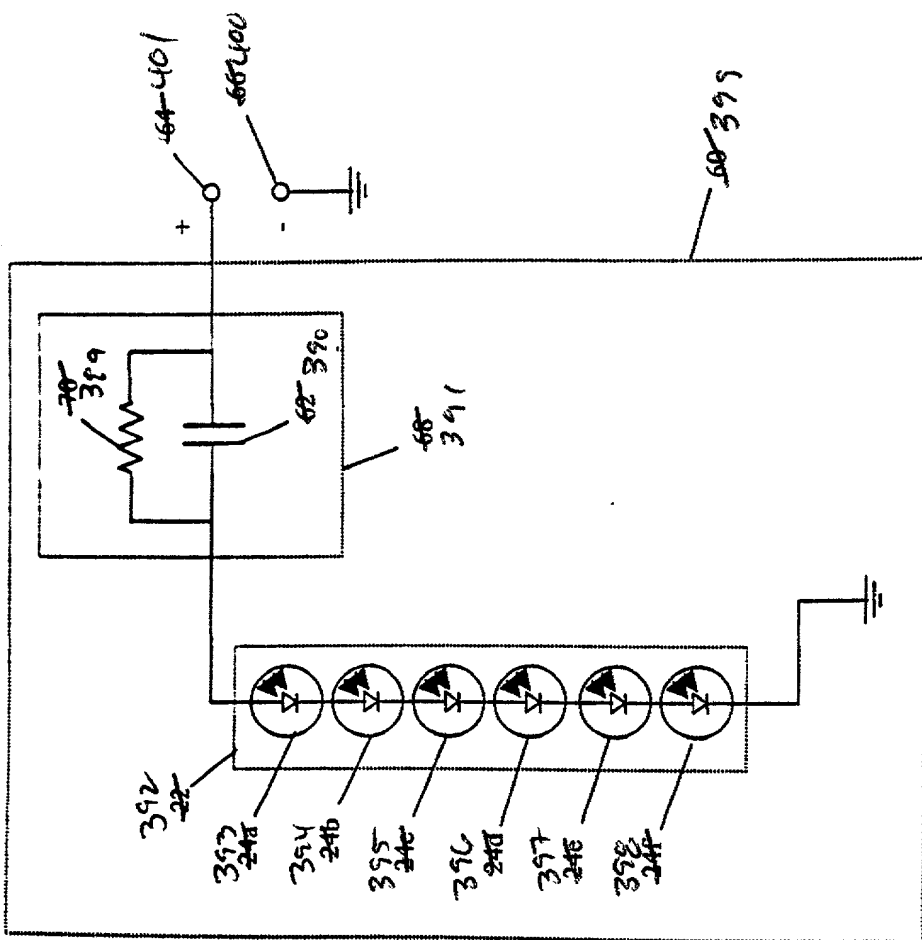


FIG. 340



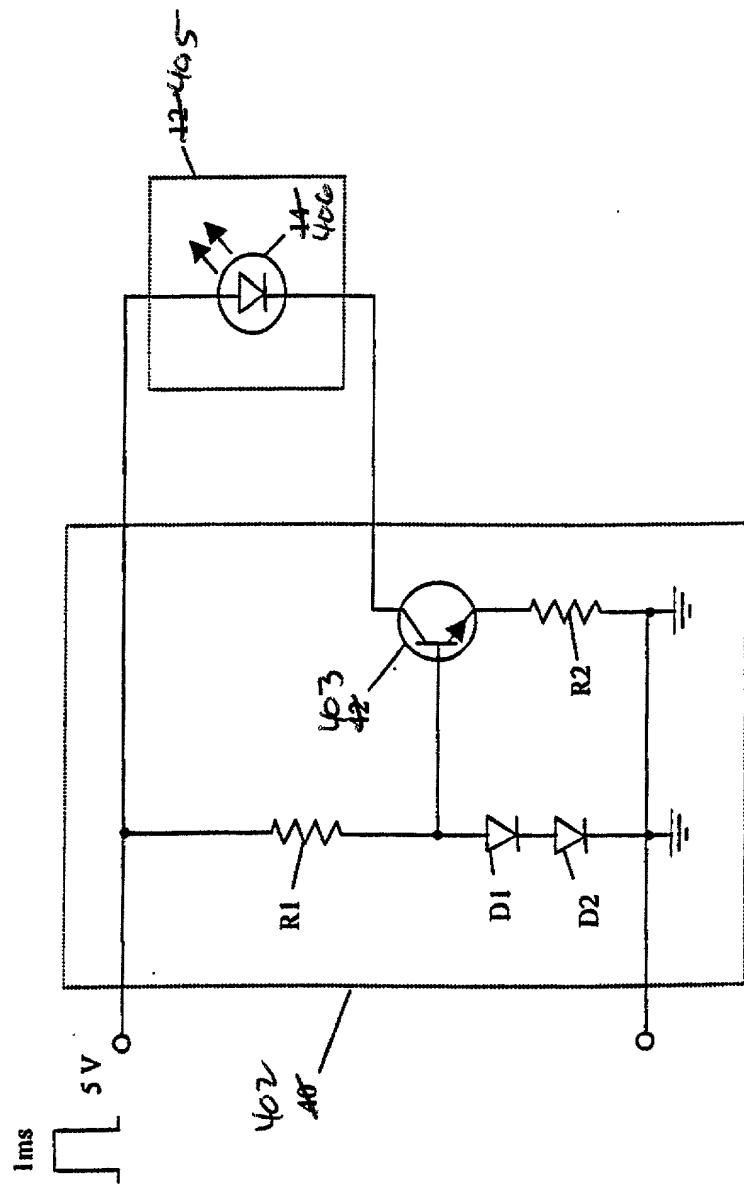


FIG. 47

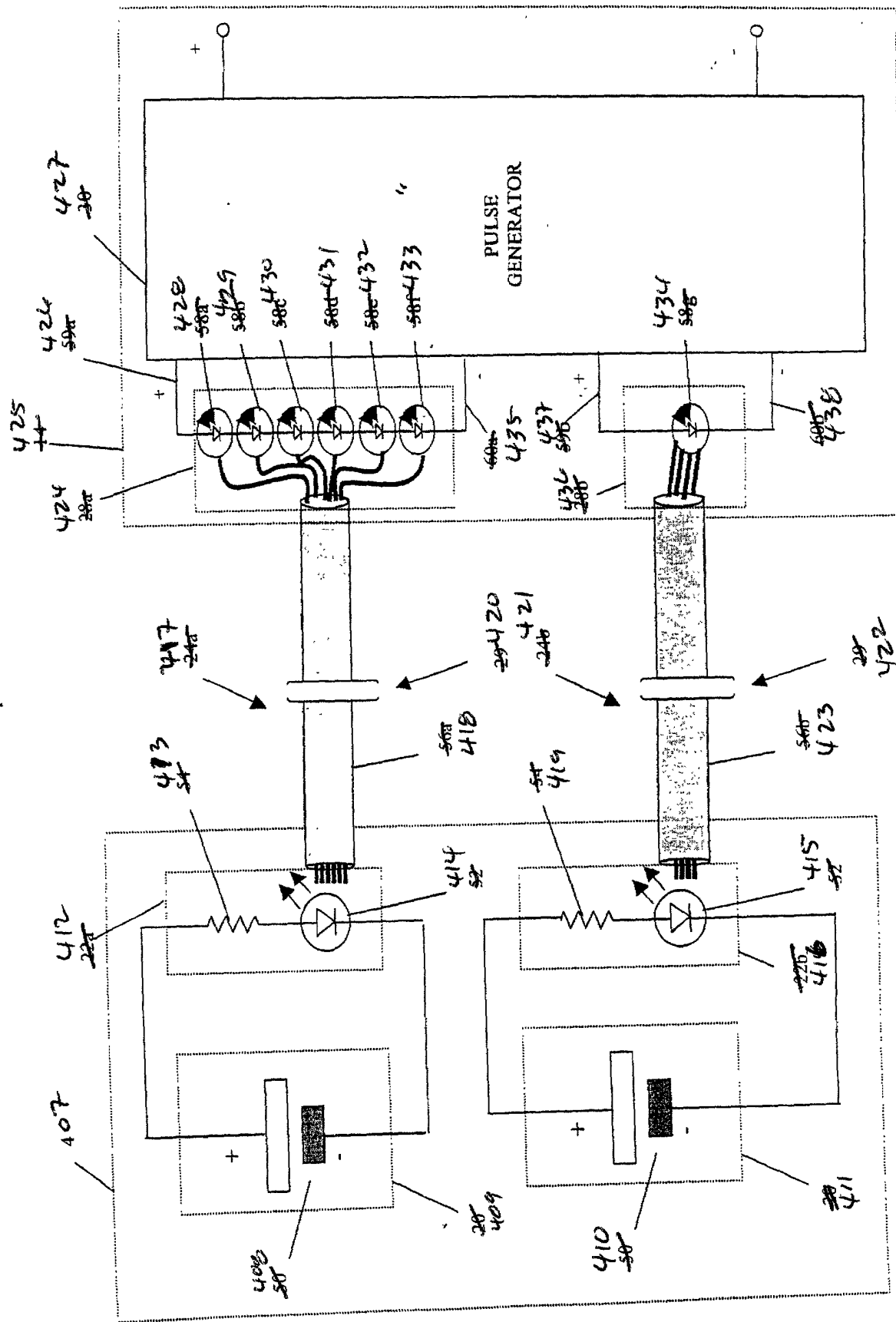


FIG. 348

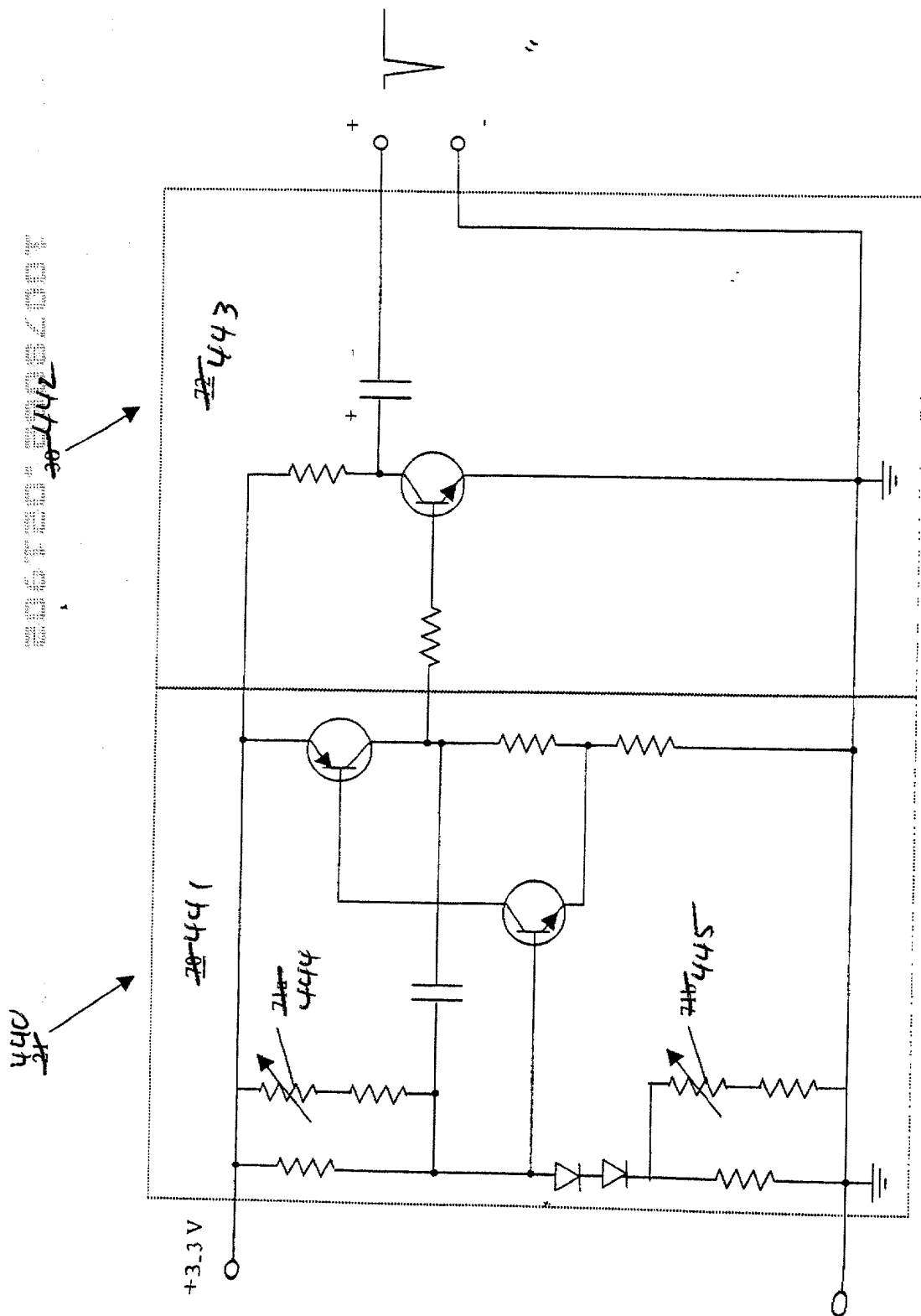
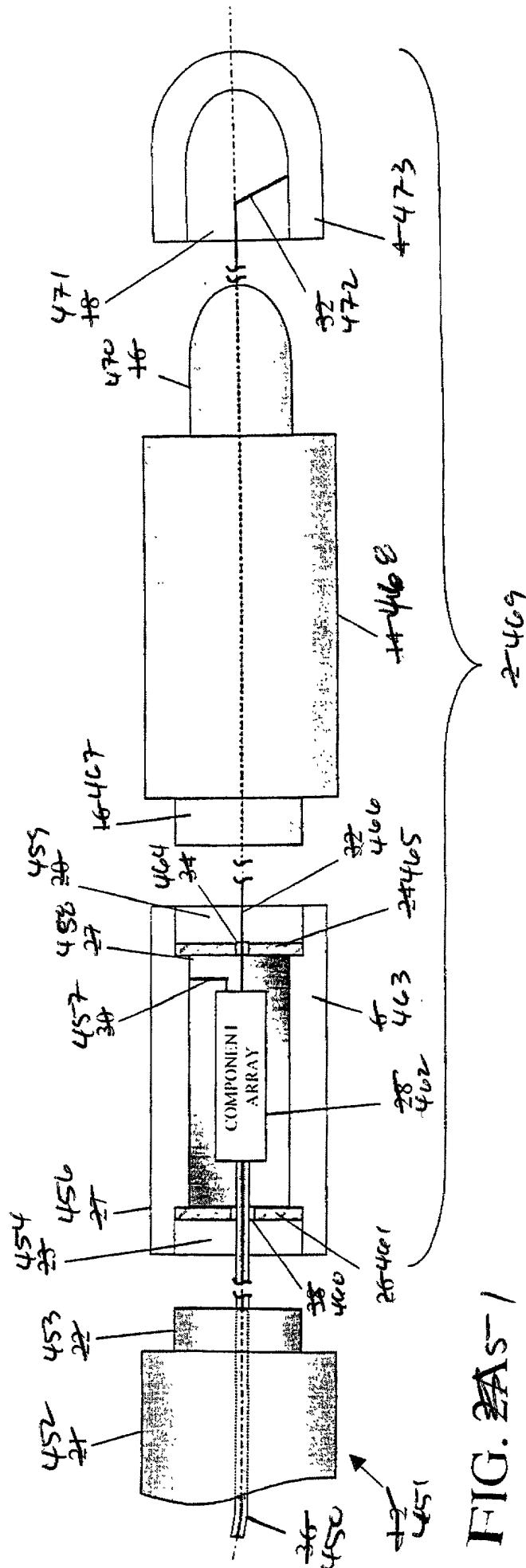
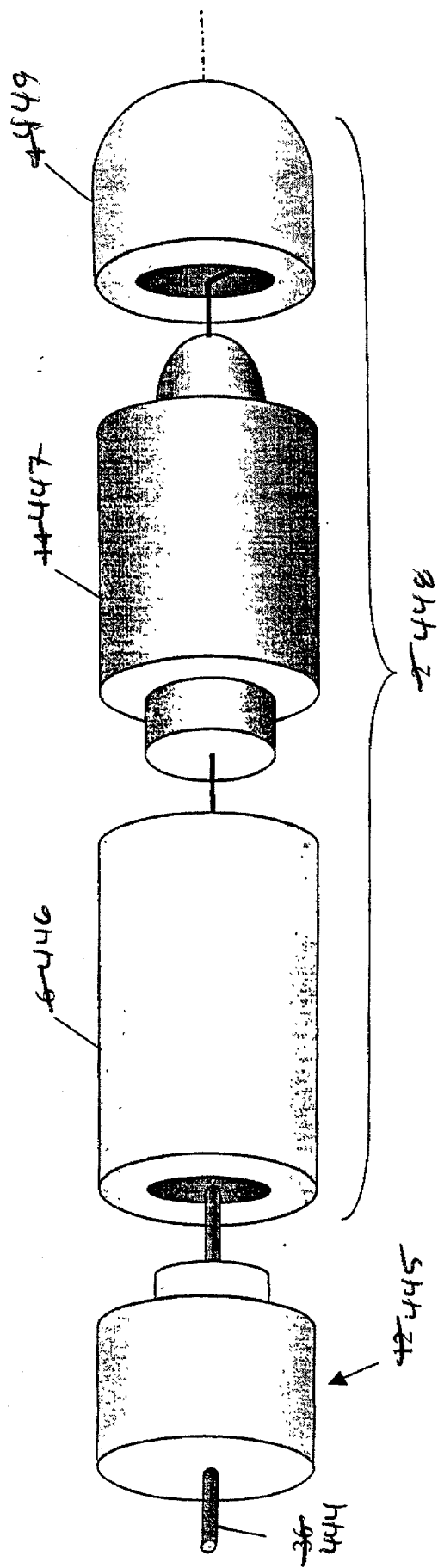


FIG. 449

4439



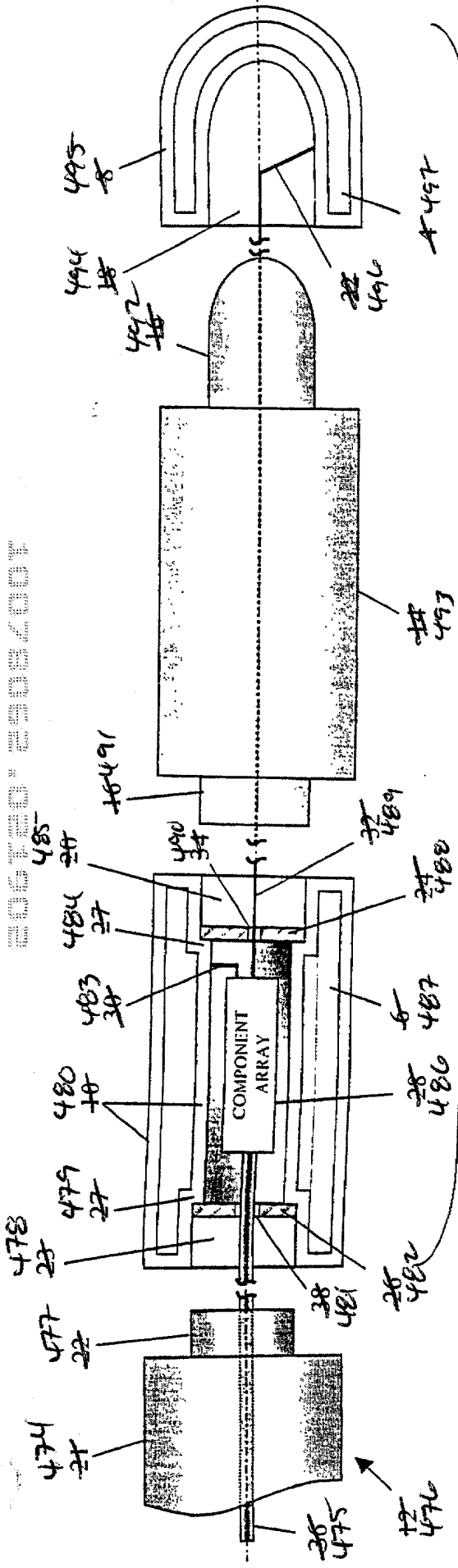


FIG. 2B S2

2498

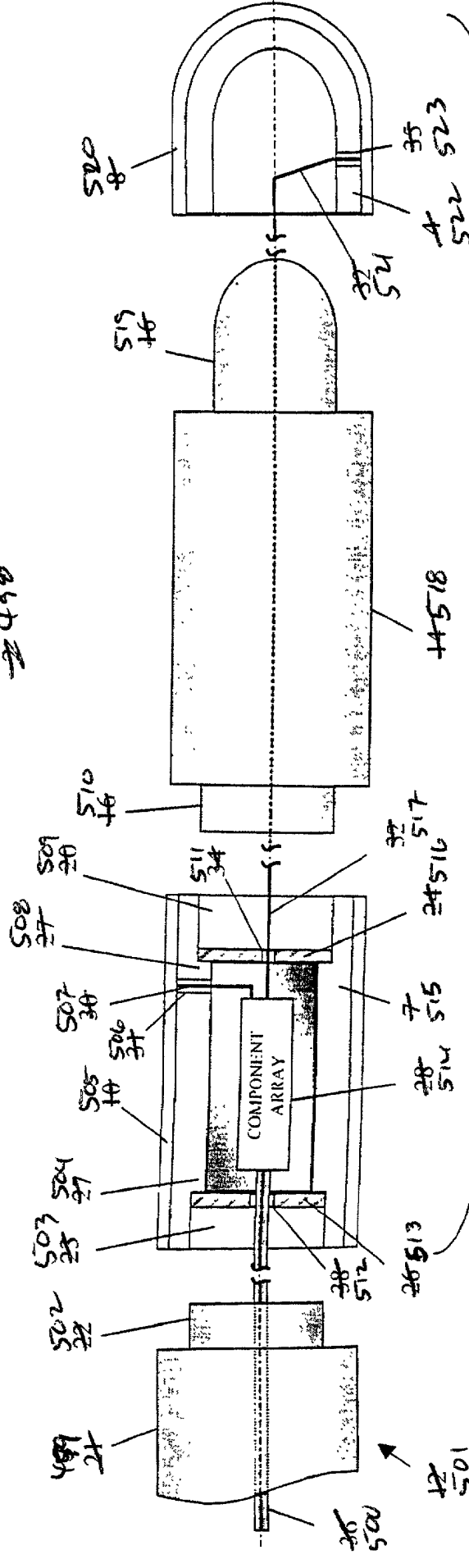


FIG. 2C S3

2524

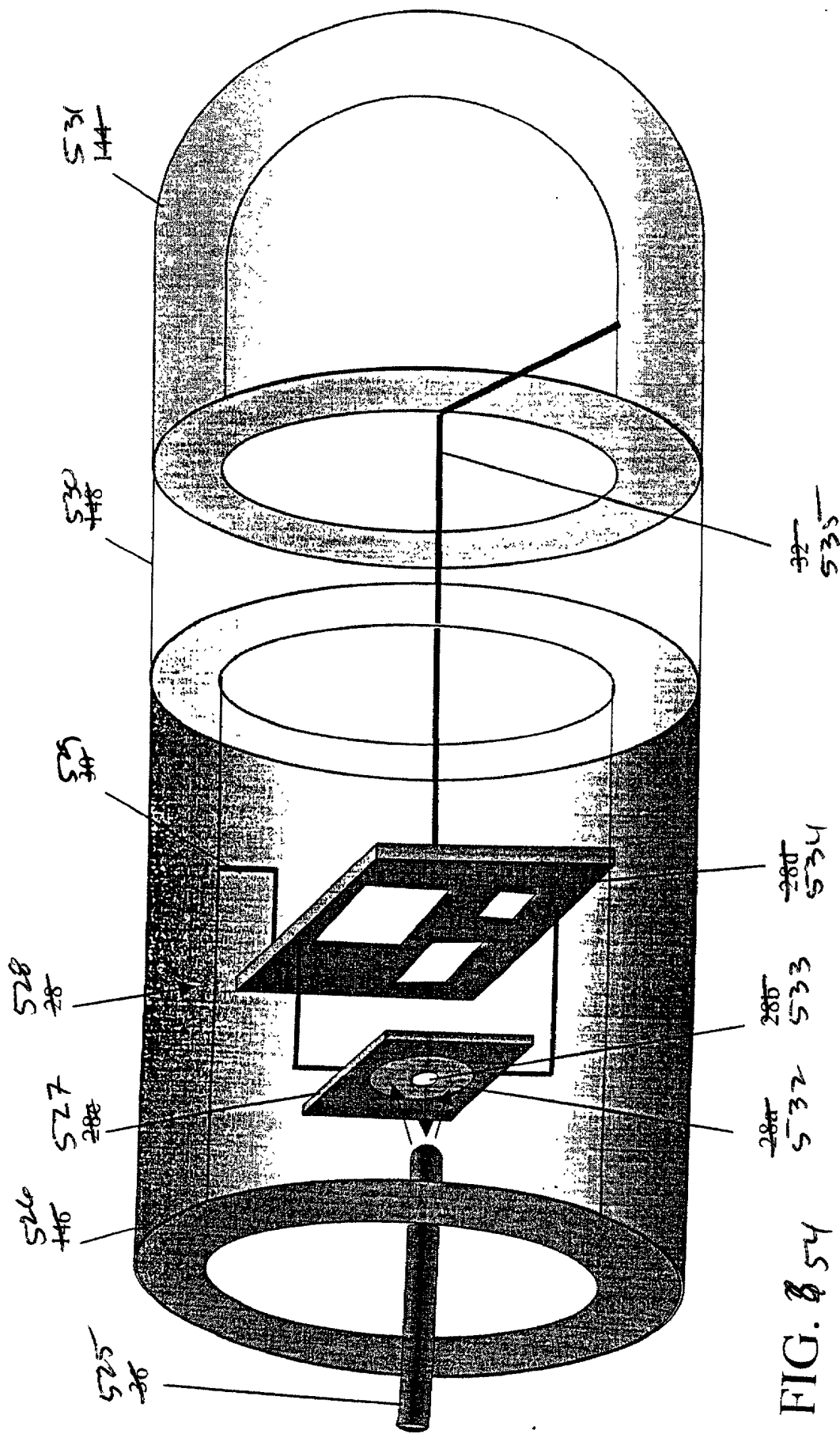
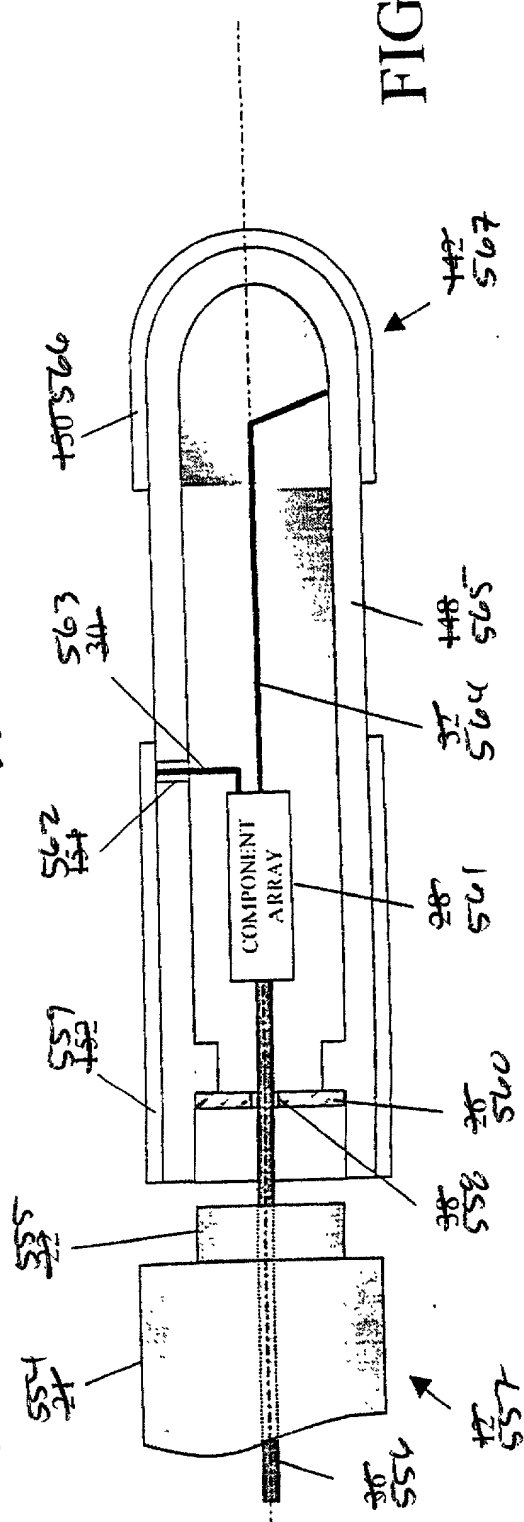
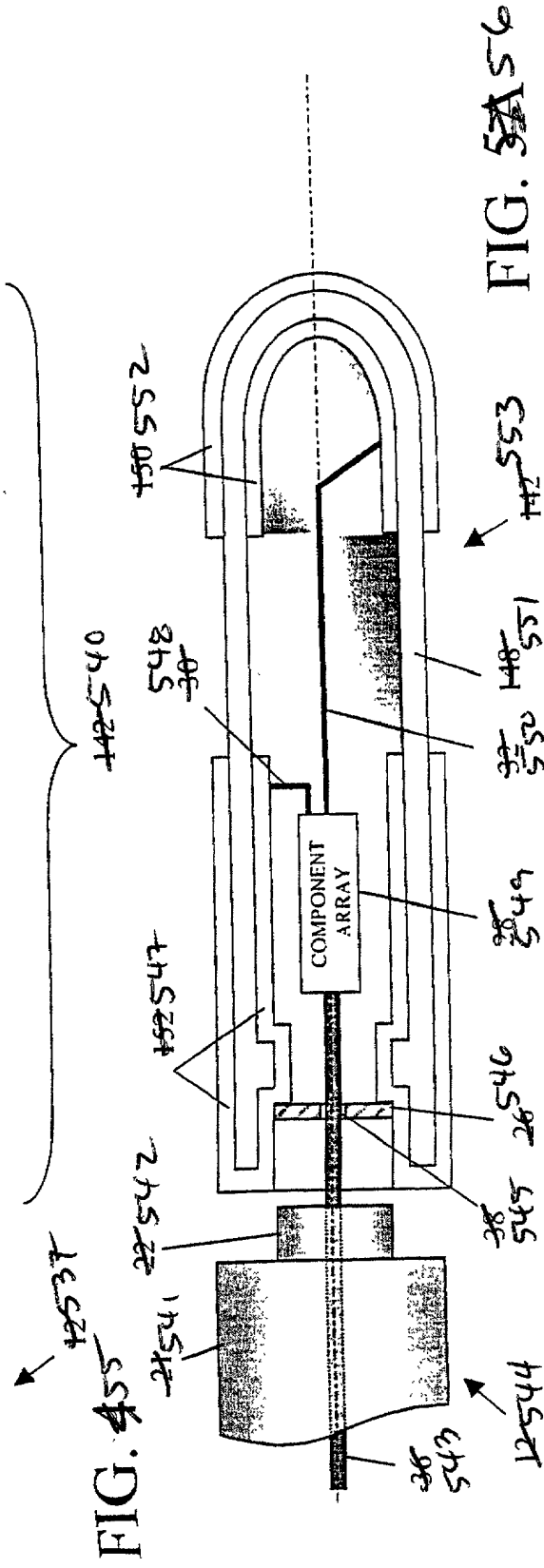
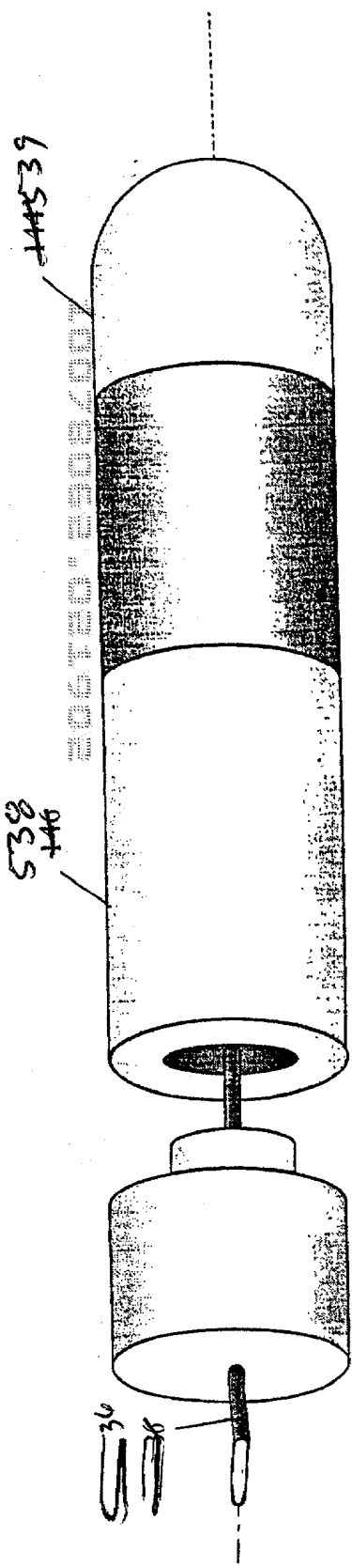


FIG. 8 54



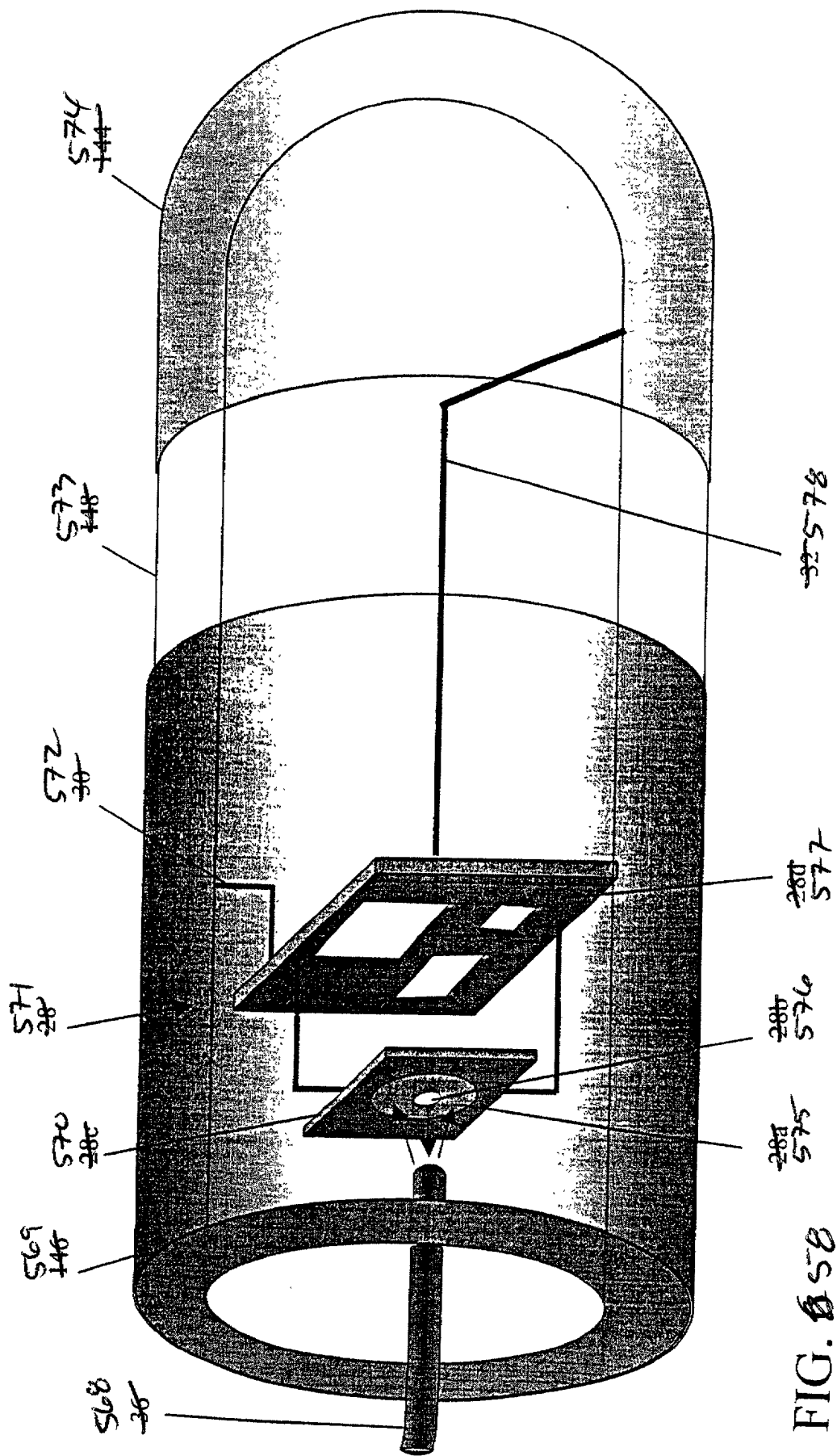


FIG. 858



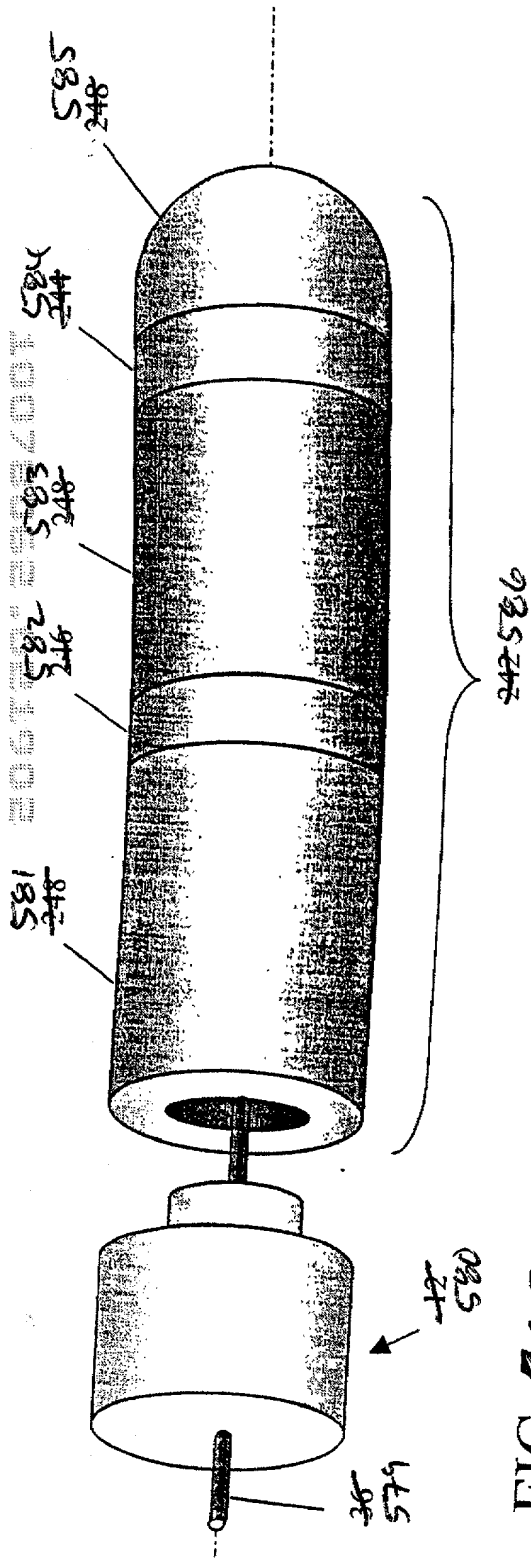


FIG. 259

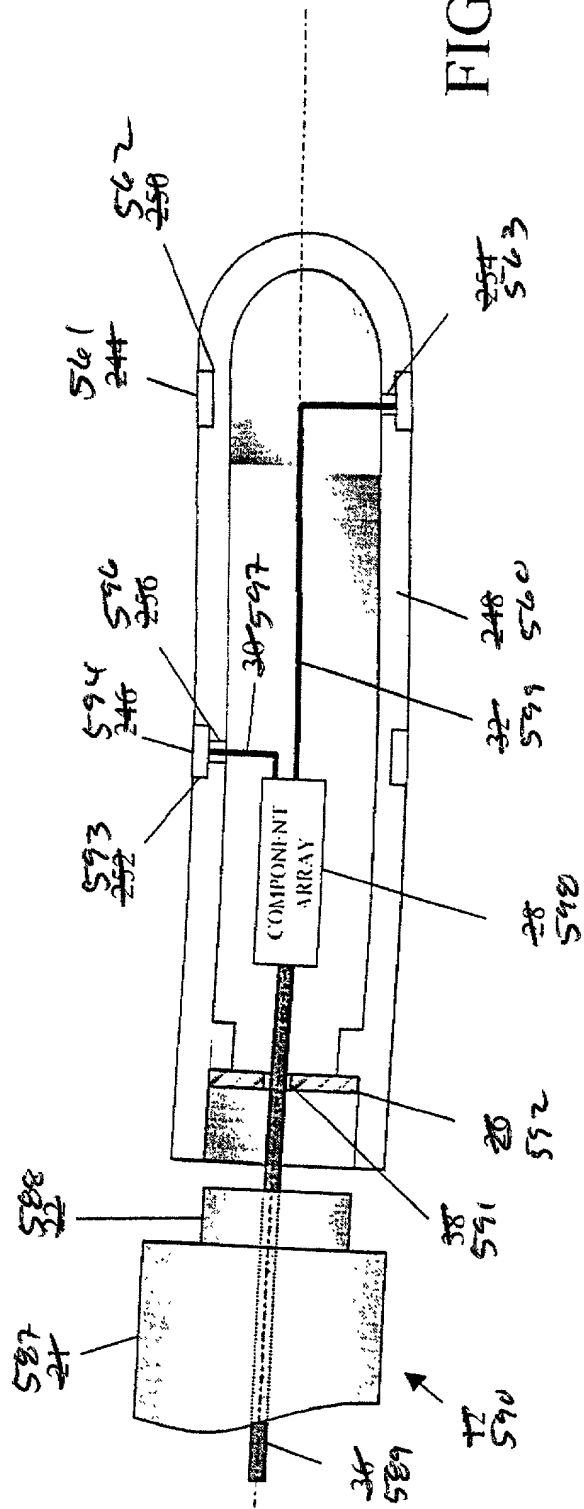


FIG. 260



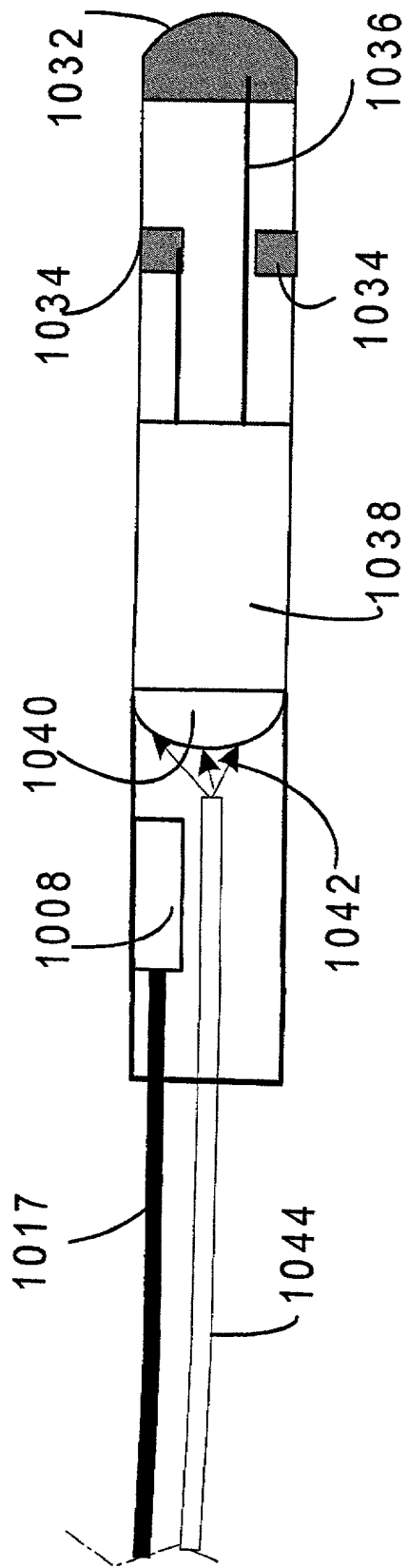
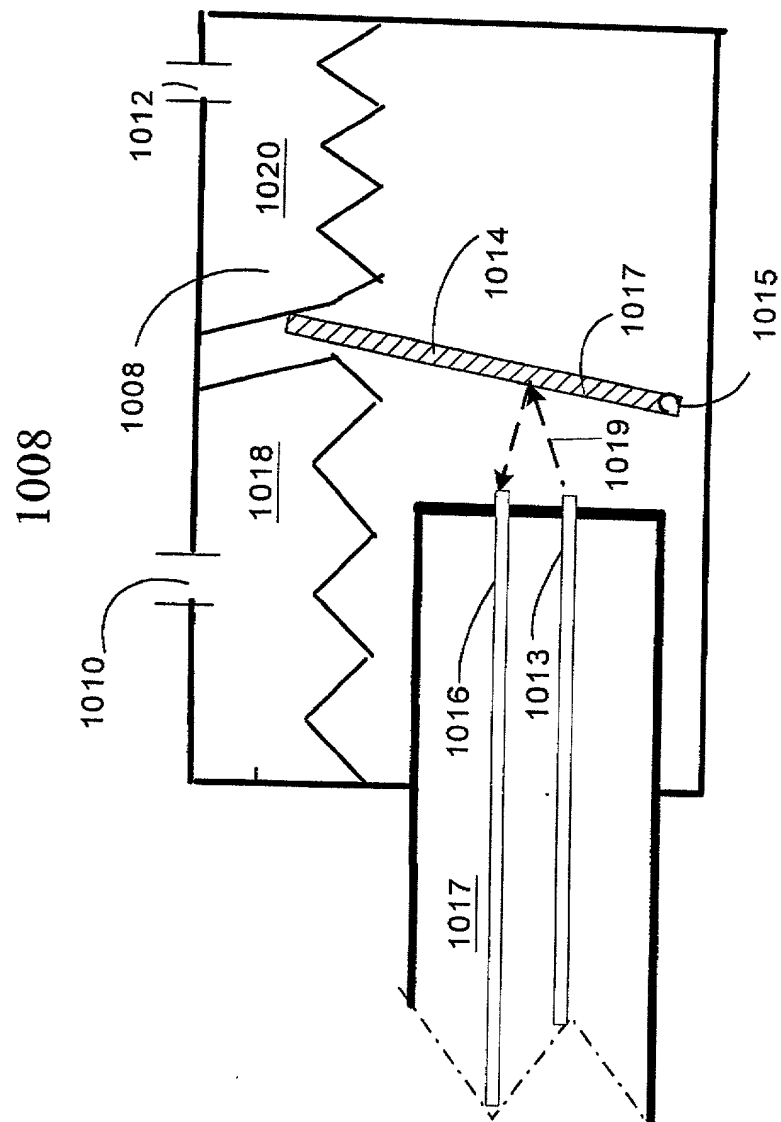


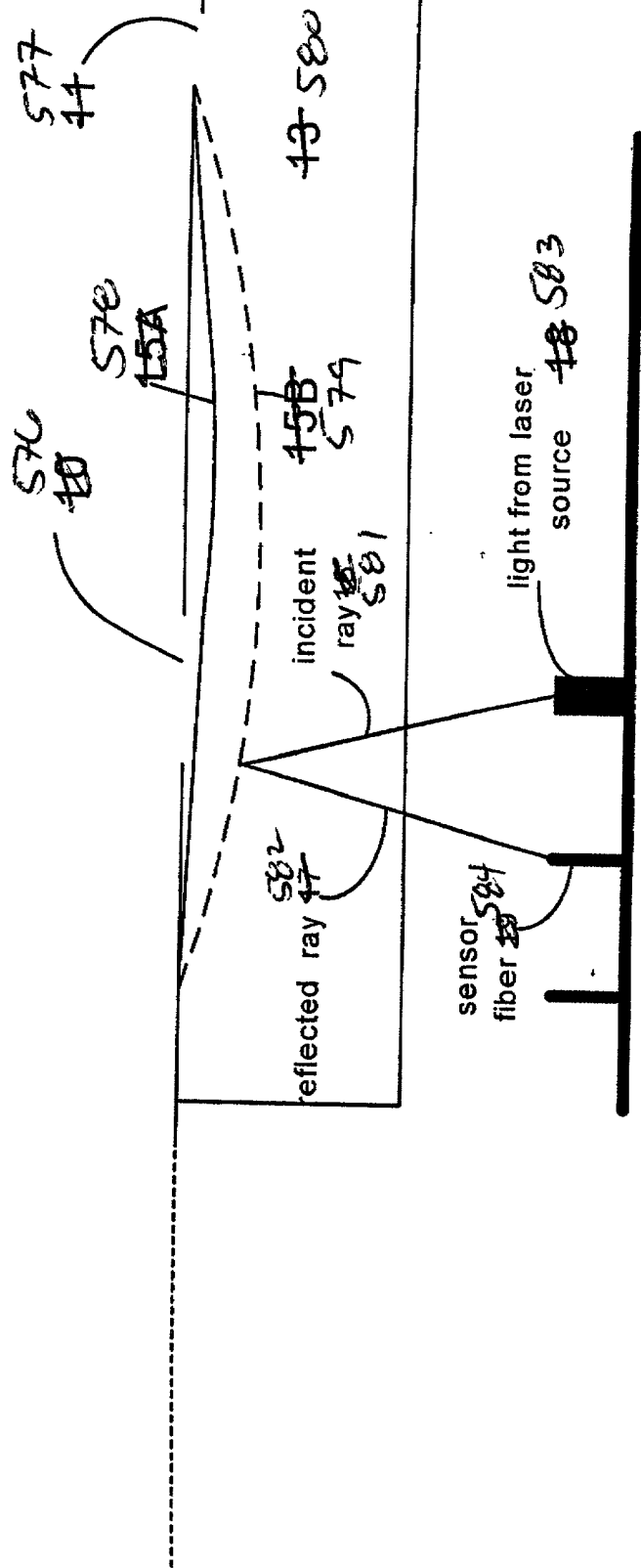
Fig. 10a62

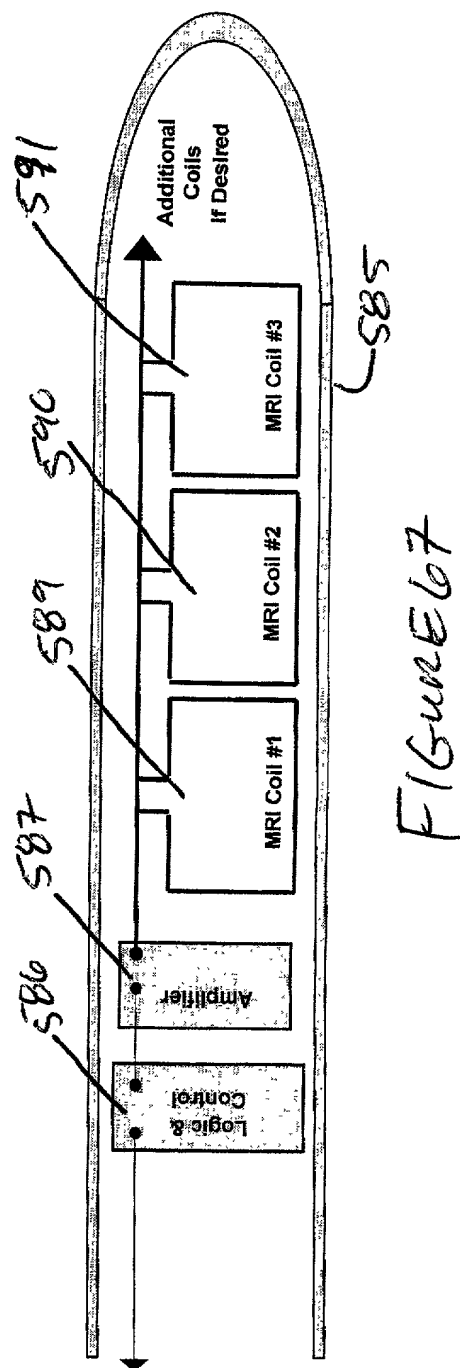
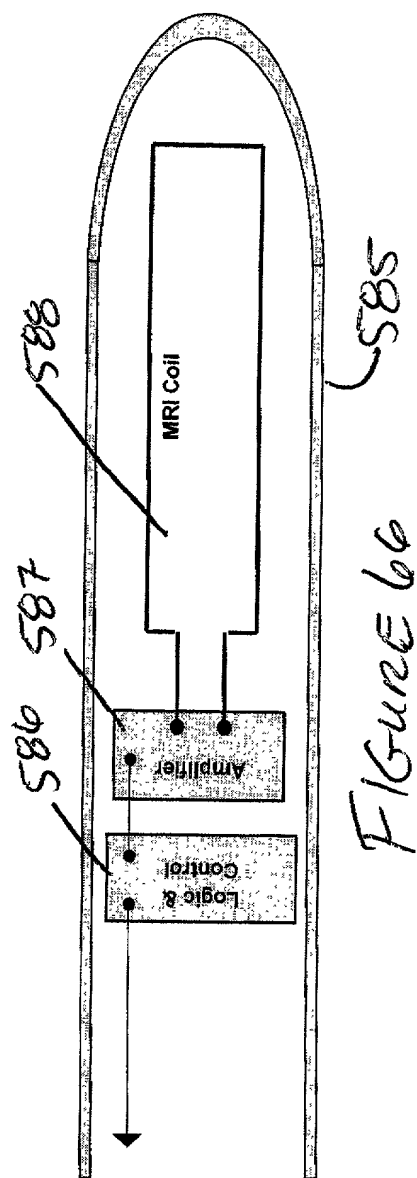




**Fig. 10e** ~~64~~

FIGURE 65





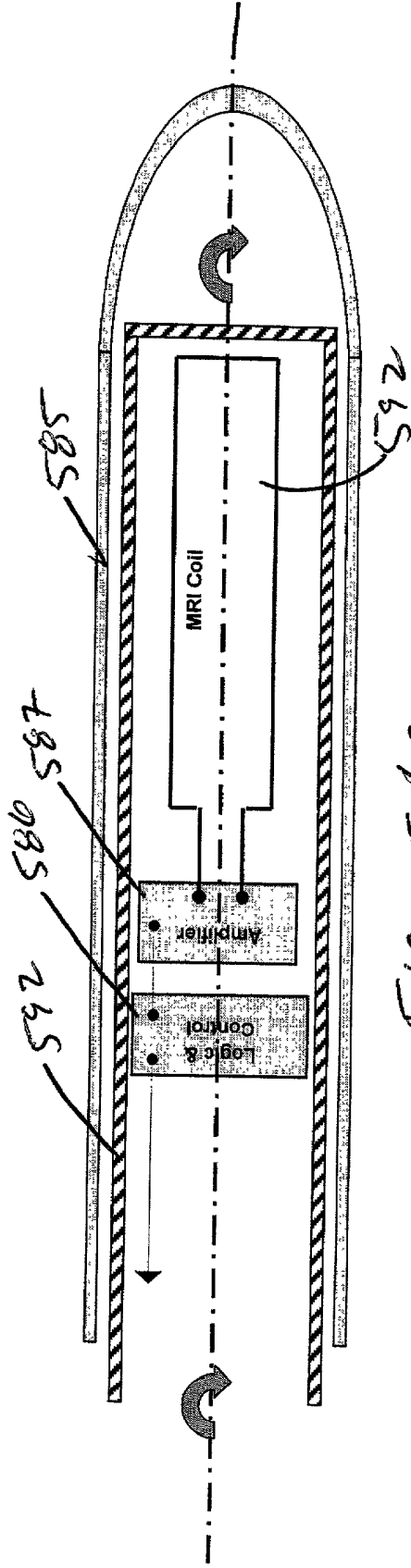


Figure 68

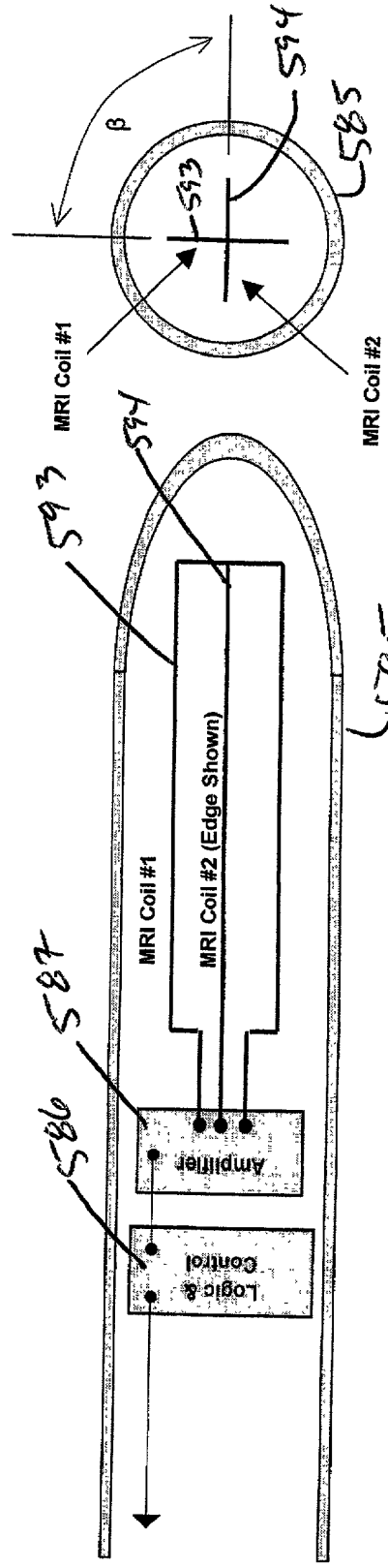
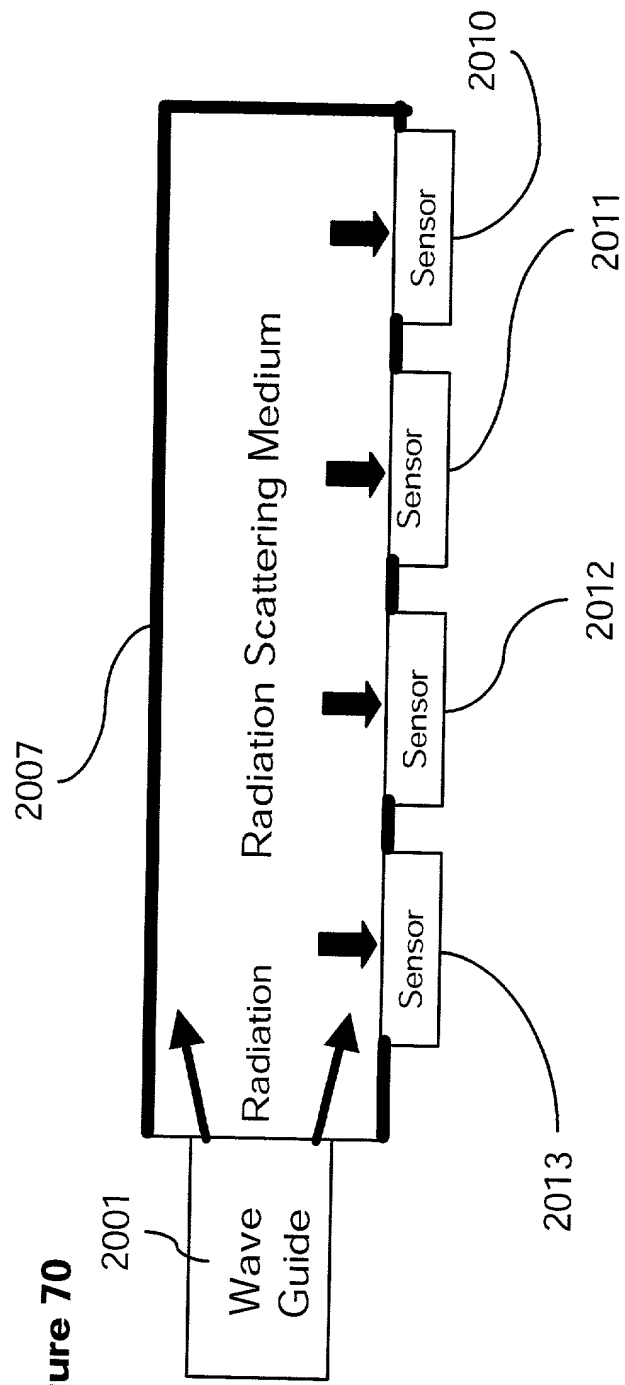


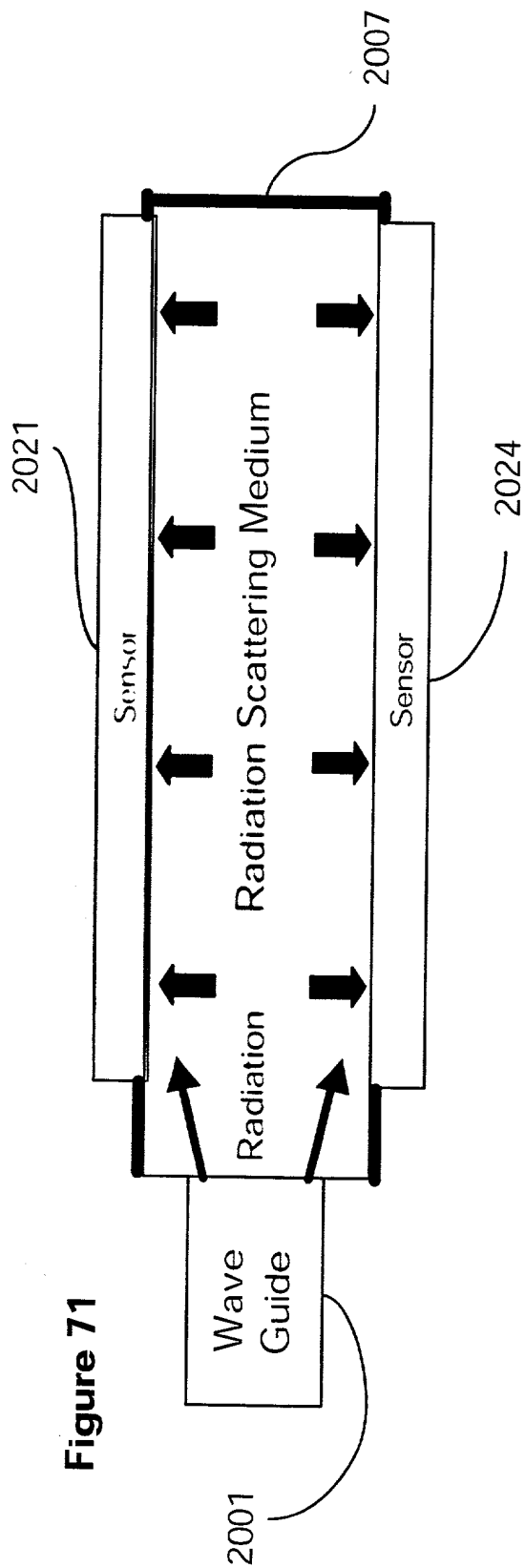
Figure 69



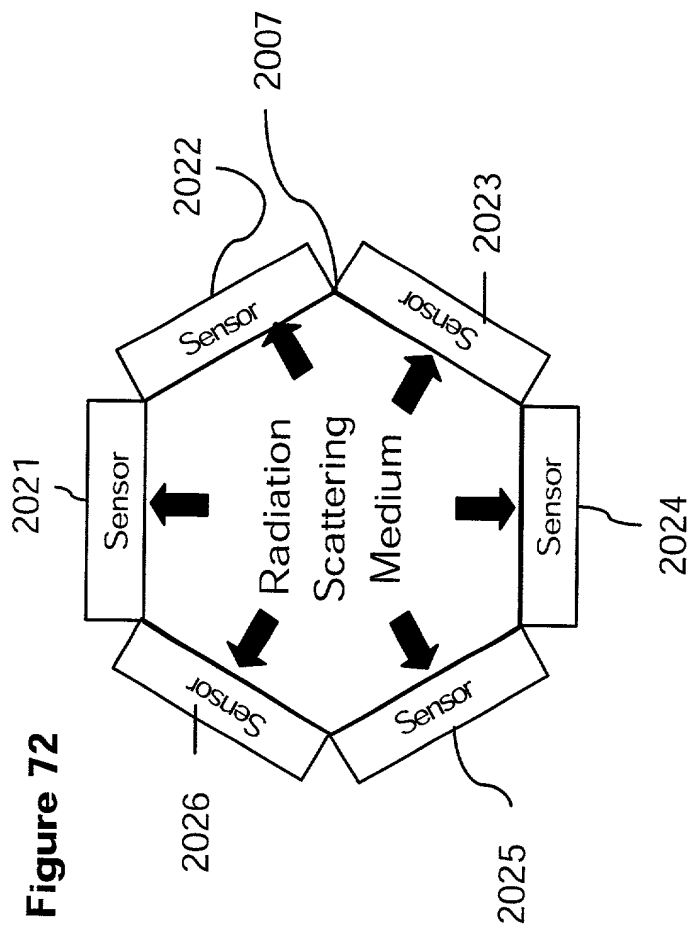
**Figure 70**



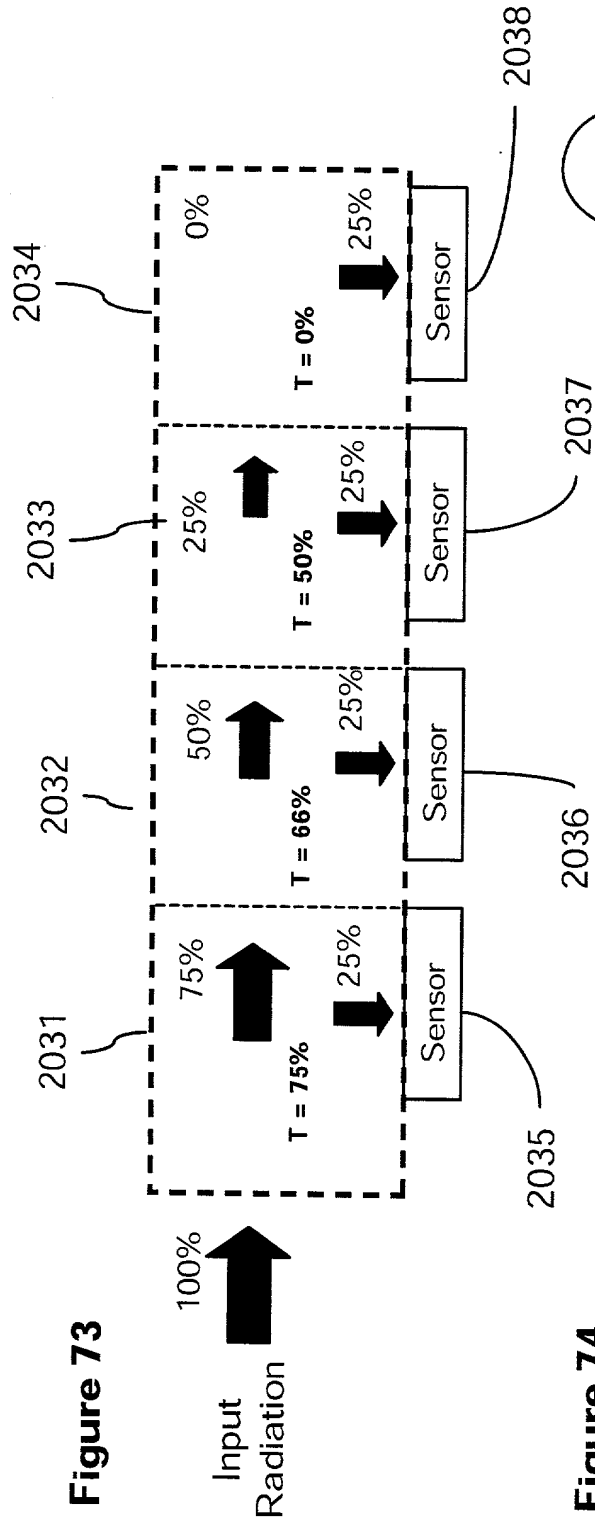
## Figure 71



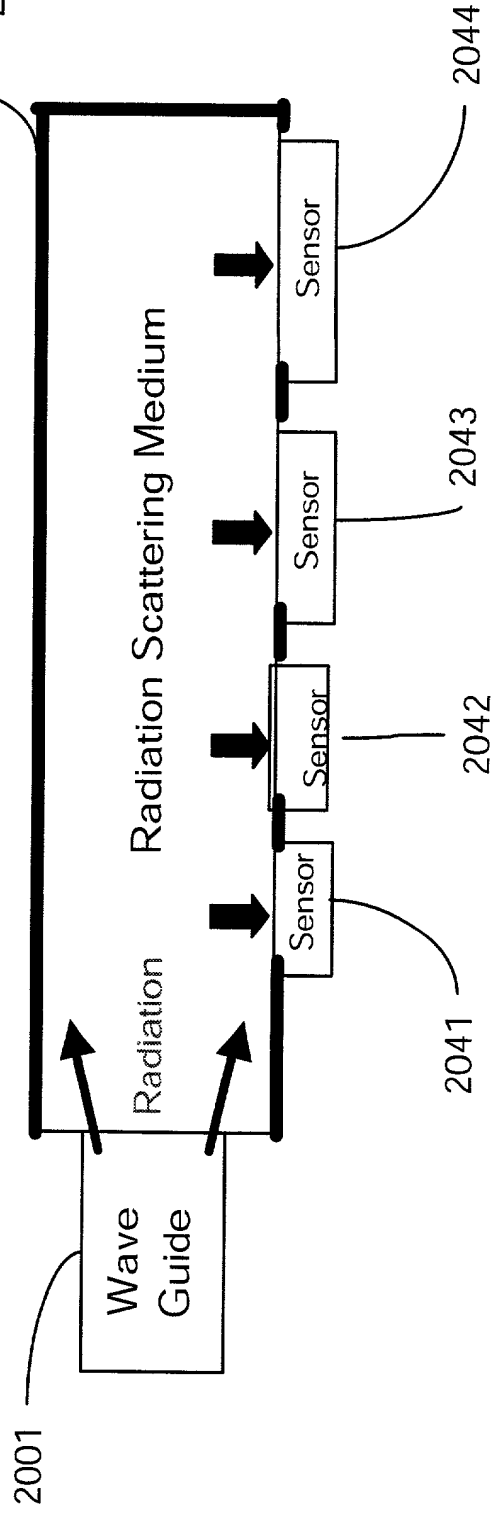
## Figure 72

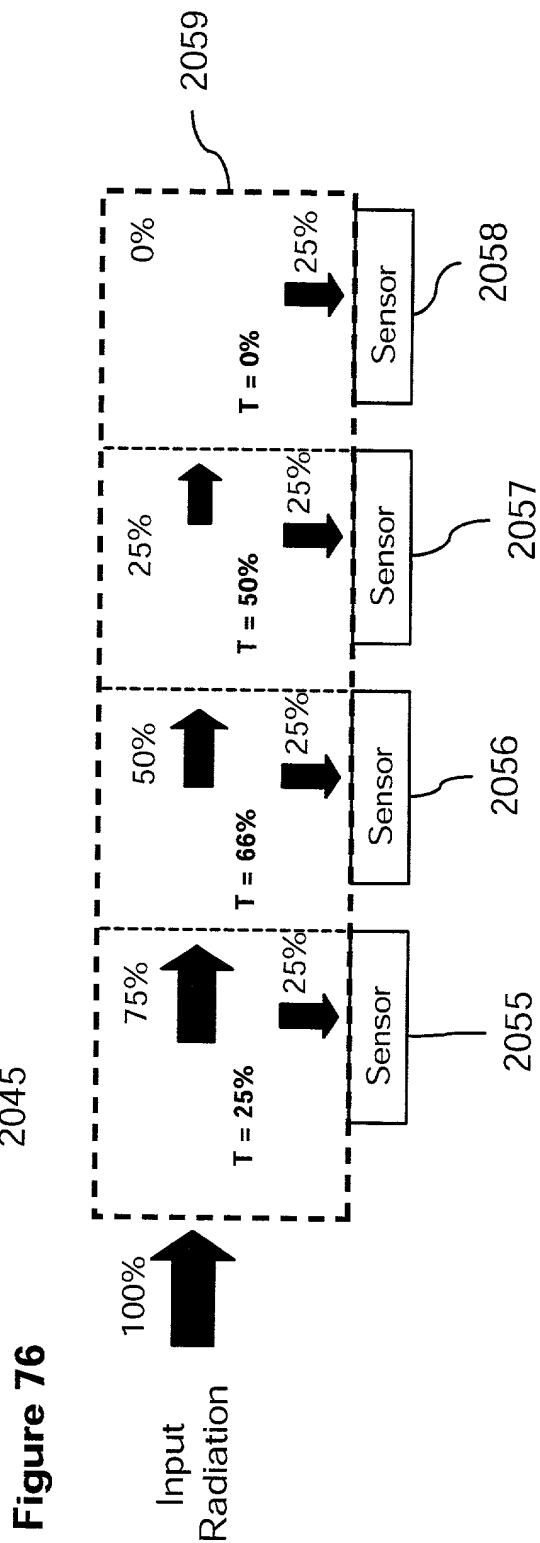
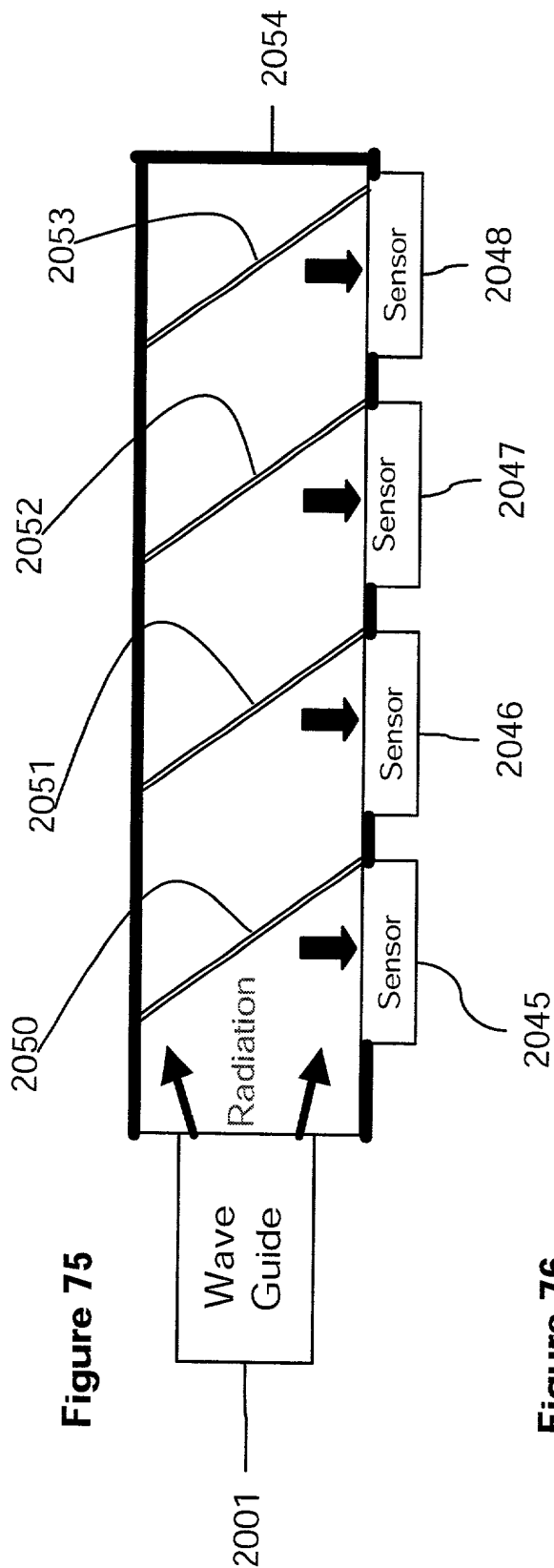


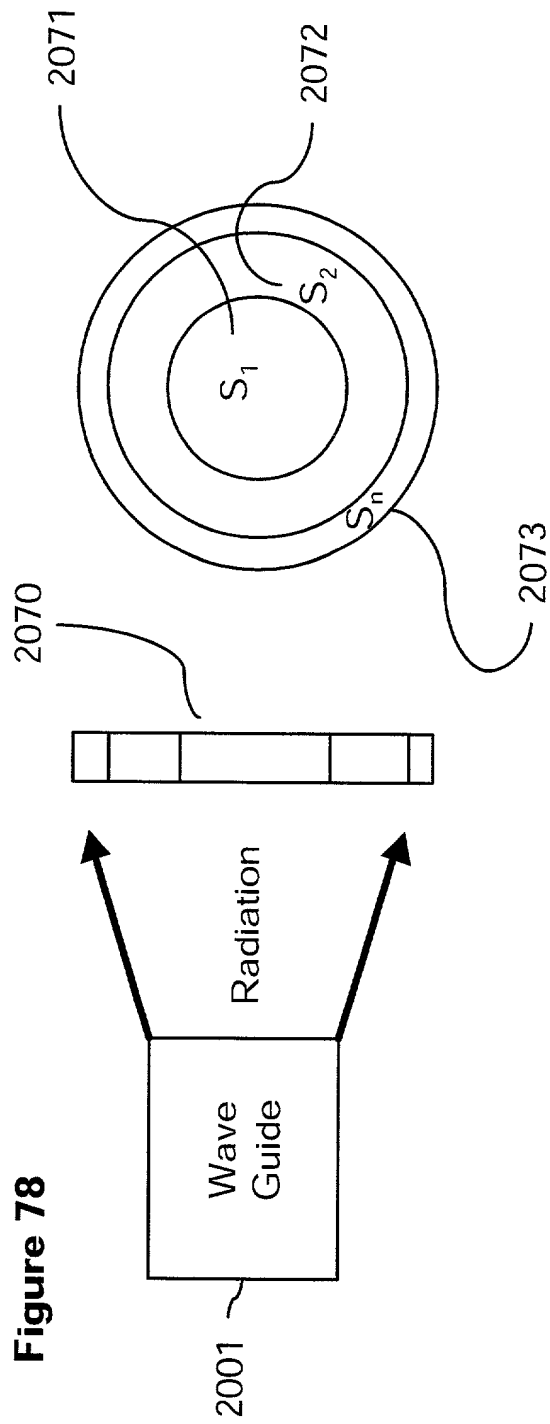
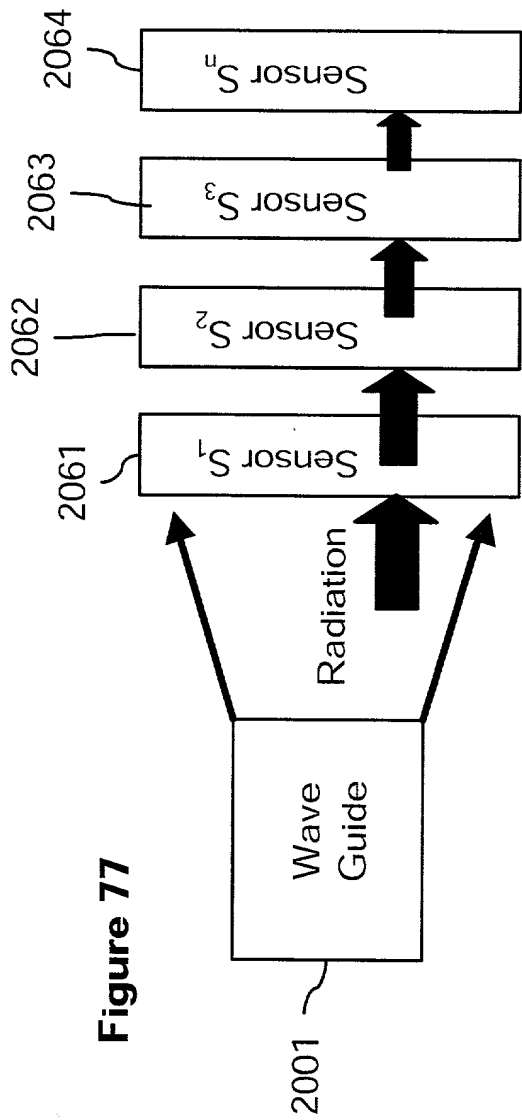
**Figure 73**



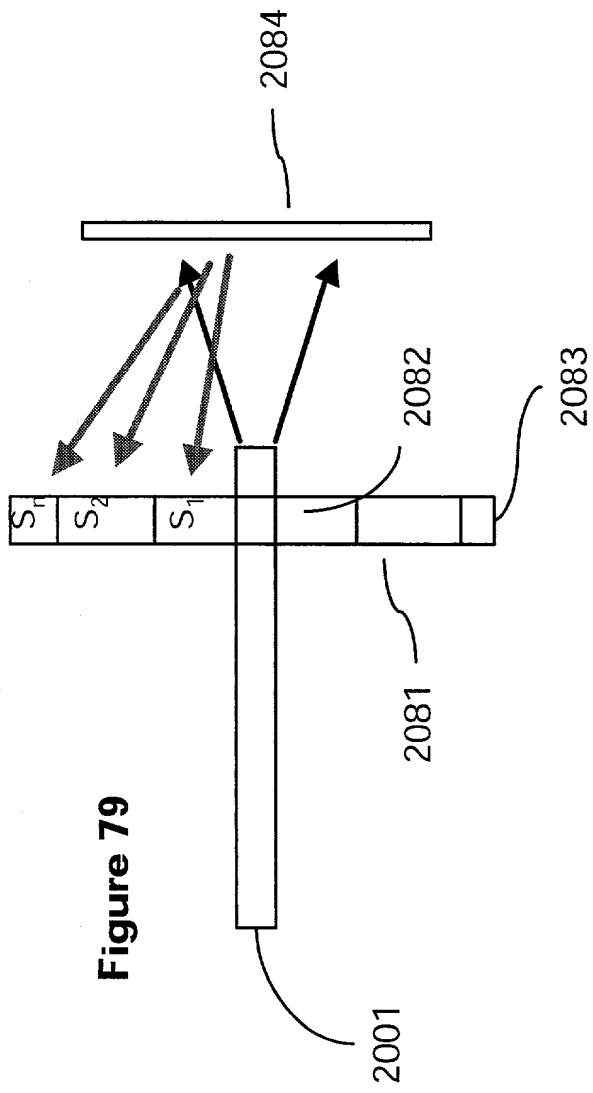
**Figure 74**







**Figure 79**



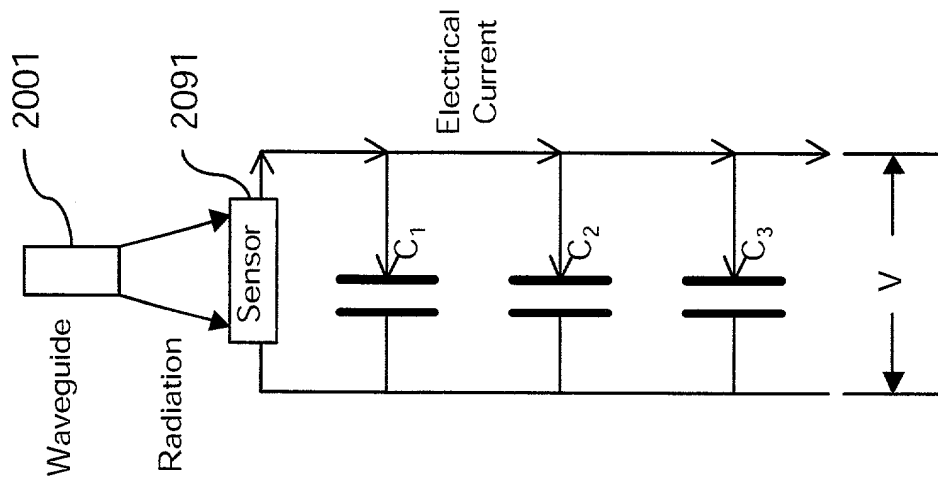


Figure 80

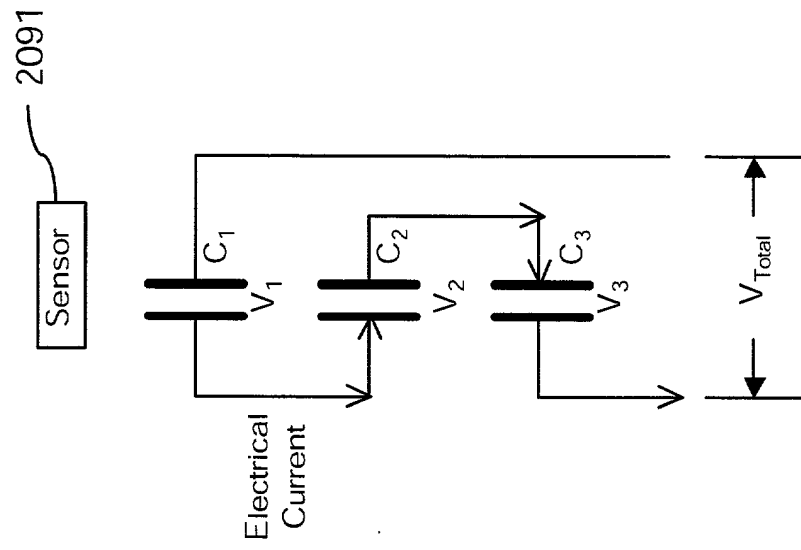


Figure 81

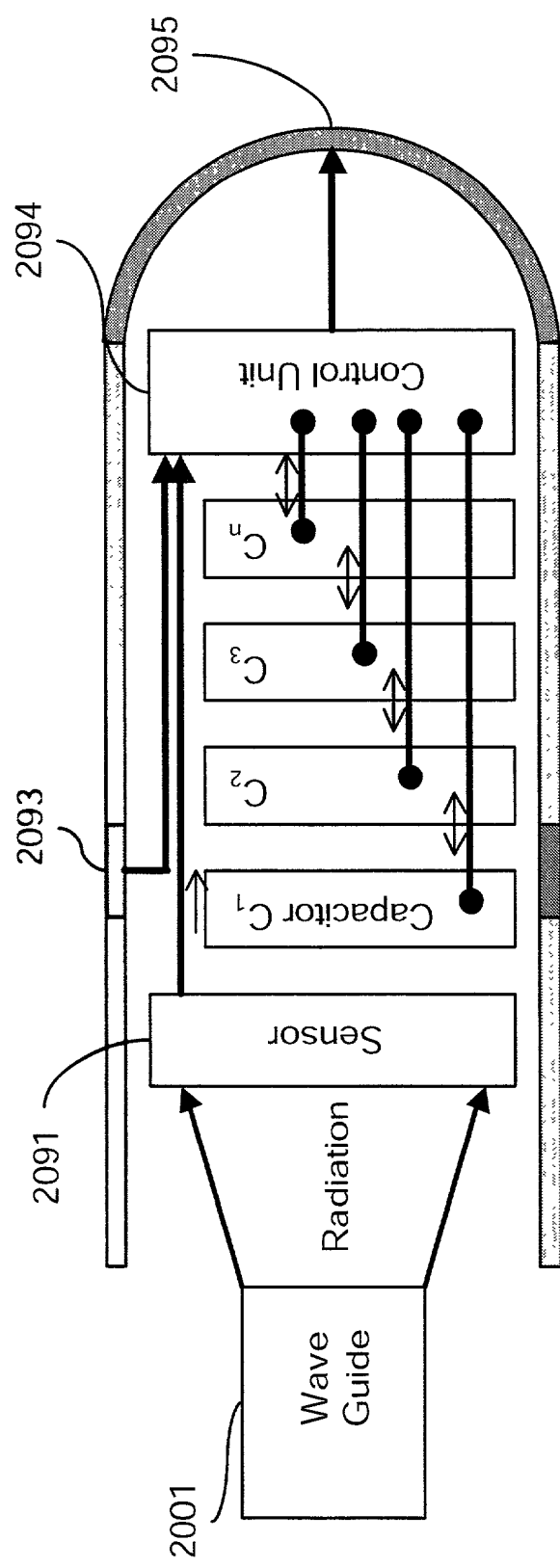


Figure 82



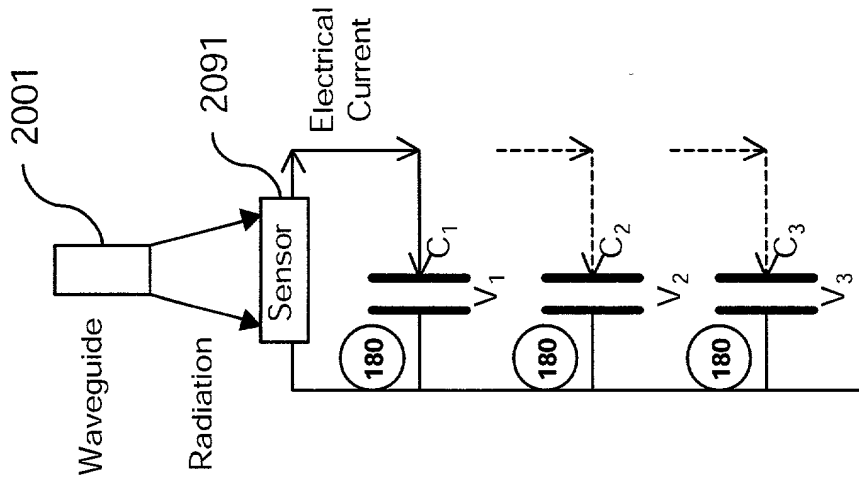


Figure 83

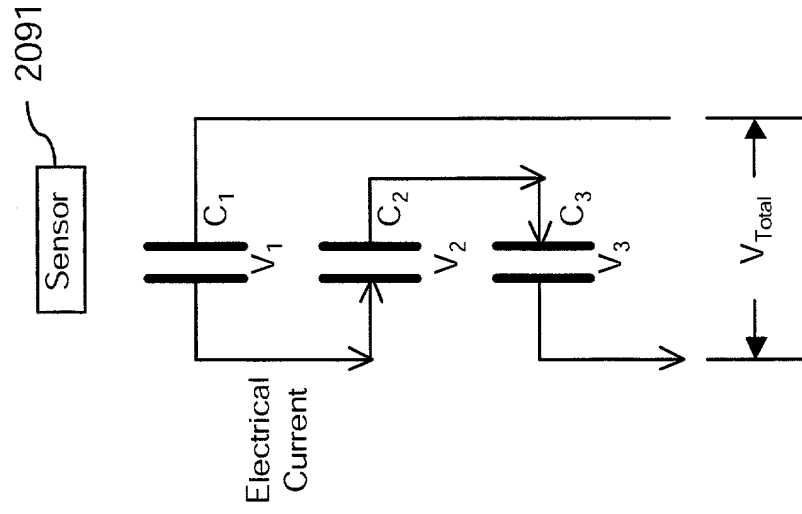


Figure 84

